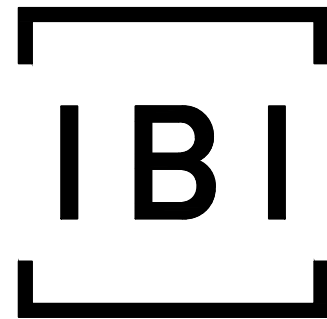
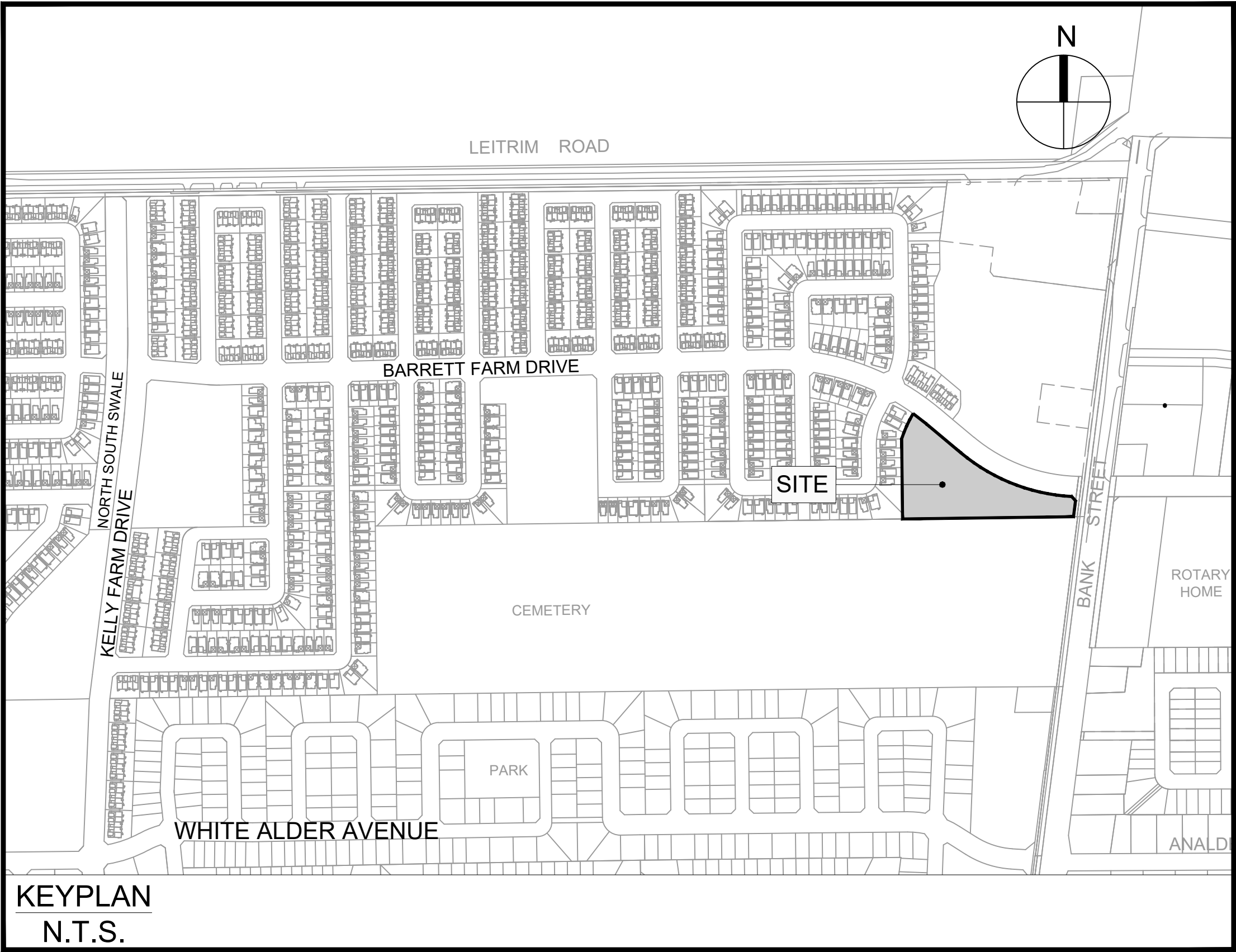


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 Ottawa ON K1S 5N4 Canada
 tel 613 225 1311 fax 613 225 9868
 ibigroup.com

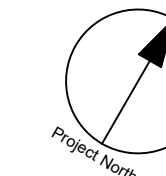


| Sheet List Table | |
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| 001 | GENERAL PLAN |
| 010 | NOTES LEGEND CB DATA |
| 011 | STREET SECTIONS |
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| 101 | PRIVATE LANE 2 |
| 200 | GRADING PLAN |
| 400 | SANITARY DRAINAGE AREA PLAN |
| 500 | STORM DRAINAGE AREA PLAN |
| 600 | PONDING PLAN |
| 900 | SEDIMENT AND EROSION CONTROL PLAN |

BARRETT CO-TENANCY

CITY OF OTTAWA

CONTRACT NO. 135925



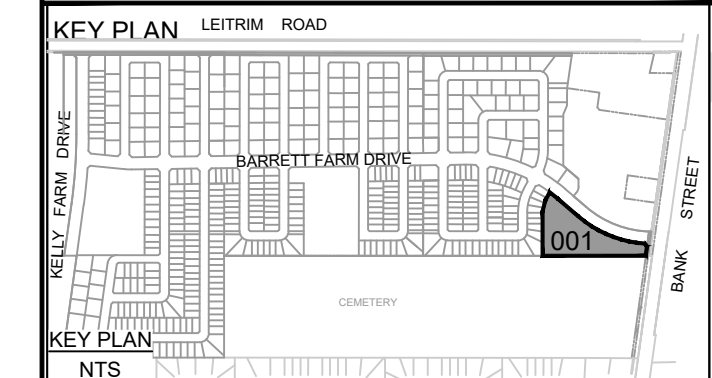
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SEE 010, 011, 012 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS



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Ottawa ON K1S 5N4 Canada
Tel 613 225 1311 / 613 241 3300 Fax 613 225 9668
ibigroup.com

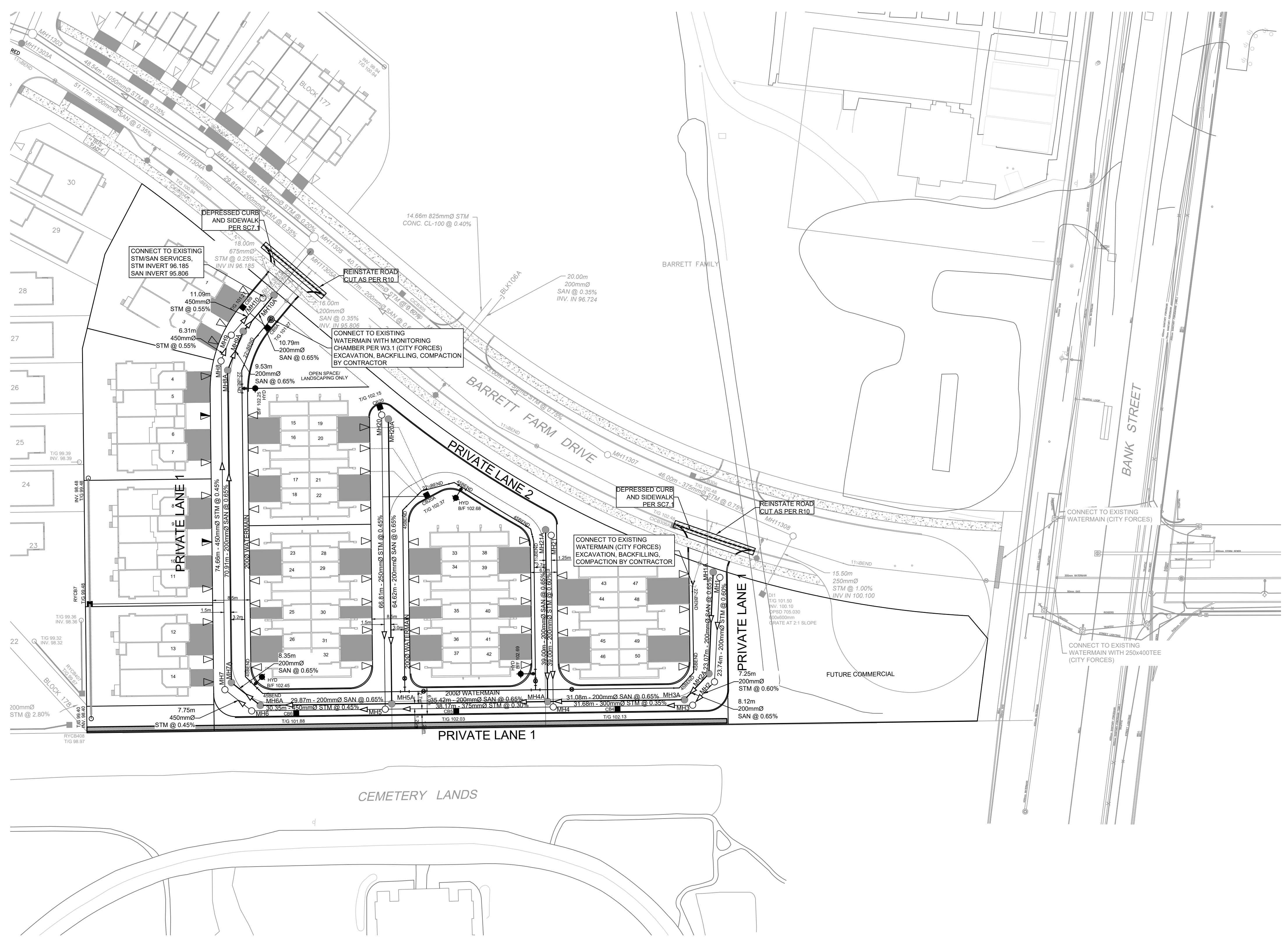
PROJECT
BARRETT BLOCK 178

PROJECT NO:
135925

| | |
|-----------------------------|-------------------------------|
| DRAWN BY: M.M. | CHECKED BY: A.C. |
| PROJECT MGR: R.M. | APPROVED BY: J.I.M. |

SHEET TITLE
GENERAL PLAN

| | |
|----------------------------|-------------------|
| SHEET NUMBER 001 | ISSUE 1 |
|----------------------------|-------------------|



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 Scale: 1:500
 City File No. D07-

GENERAL LEGEND

- LIMIT OF CONSTRUCTION
- - - PHASING LINE
- ===== BARRIER CURB
- ===== MOUNTABLE CURB
- ===== DEPRESSED BARRIER CURB
- CONCRETE SIDEWALK CONCRETE SIDEWALK
- TACTILE WALKING SURFACE INDICATOR
- ASPHALT SIDEWALK / PATHWAY ASPHALT SIDEWALK / PATHWAY
- RUB BUS STOP CONCRETE / ASPHALT

SERVICING LEGEND

- MH118A SANITARY MANHOLE
- 200mmØ SAN SANITARY SEWER
- MH109 MH118 STORM MANHOLE
- 825mmØ STM STORM SEWER - LESS THAN 9000
- 900mmØ STM STORM SEWER - 9000 AND GREATER
- 200Ø WATERMAIN WATERMAIN
- CG100 STREET CATCHBASIN C/W TOP OF GRADE
- TG 104.10
- CCB101 CURB INLET CATCHBASIN C/W GUTTER GRADE
- G/G 104.25
- DCB100 DOUBLE CATCHBASIN C/W TOP OF GRADE
- TG 104.10
- DCCB101 DOUBLE CURB INLET CATCHBASIN C/W GUTTER GRADE
- G/G 104.25
- D101 DITCH INLET MANHOLE C/W TOP OF GRADE
- TG 103.59
- CBM101 CATCHBASIN MANHOLE C/W TOP OF GRADE
- TG 103.59
- RYCB REAR YARD CATCHBASIN IN ROAD CONNECTING STRUCTURE C/W SOLID GRATE
- TG 104.35
- RYV REAR YARD "TEE" CATCHBASIN (3000) C/W TOP OF GRADE AND INVERT OUT
- TG 104.35
- RYV 103.35
- RYE REAR YARD "END" CATCHBASIN (3000) C/W TOP OF GRADE AND INVERT OUT
- TG 104.50
- RYV 103.50
- RYA REAR YARD "CUSTOM ANGLED" CATCHBASIN (4500) C/W TOP OF GRADE AND INVERT OUT
- TG 104.35
- RYV 103.35
- RYB REAR YARD "THREE WAY" CATCHBASIN (4500) C/W TOP OF GRADE AND INVERT OUT
- TG 104.35
- RYV 103.35
- 300mmØ CSP PERFORATED REAR YARD SUBDRAIN
- CSP CULVERT C/W DIAMETER
- V&VB VALVE AND VALVE BOX
- V&VC VALVE AND VALVE CHAMBER
- P&V PARK VALVE CHAMBER C/W SERVICE POST
- HYD FIRE HYDRANT C/W BOTTOM OF FLANGE ELEVATION
- RED 200Ø WM WATERMAIN REDUCER
- 150Ø WM
- Z BENDS VERTICAL BEND LOCATION
- S SIAMOSE CONNECTION (IF REQUIRED)
- M METER (IF REQUIRED)
- RM REMOTE METER (IF REQUIRED)
- W WATERMAIN IDENTIFICATION (IF REQUIRED)
- PC PIPE CROSSING IDENTIFICATION (IF REQUIRED)
- S SINGLE SERVICE LOCATION
- D DOUBLE SERVICE LOCATION
- INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)
- HGL 101.79 100 YEAR STORM HYDRAULIC GRADE LINE AT MANHOLE
- USF 101.79 UNDERSIDE OF FOOTING ELEVATION
- CLAY SEAL IN SEWER / WATERMAIN TRENCH

CATCHBASIN/CATCHBASIN MANHOLE/DITCH INLET DATA

| STRUCTURE ID | STORM AREA ID | STRUCTURE | FRAME & COVER | TOP OF GRATE | ELEVATION | | OUTLET PIPE | | INLET CONTROL DEVICE | | | COMMENTS | |
|--------------|---------------|--------------|---------------|--------------|-----------|--------|---------------|----------|----------------------|-----------------------|----------|----------|--------------------------------|
| | | | | | INVERT | | DIAMETER (mm) | TYPE | 100% Dynamic HEAD | RESTRICTED FLOW (l/s) | ICD TYPE | | ORIFICE SIZE CIRCULAR (mm dia) |
| | | | | | INLET | OUTLET | | | | | | | |
| CB4 | S4 | OPSD 705 010 | S19 | 102.13 | | 100.73 | 200 | PVC DR35 | 1.400 | 26.00 | IP EX HF | | |
| CB5 | S5 | OPSD 705 010 | S19 | 102.03 | | 100.63 | 200 | PVC DR35 | 1.400 | 25.00 | IP EX HF | | |
| CB6 | S6 | OPSD 705 010 | S19 | 101.88 | | 100.48 | 200 | PVC DR35 | 1.400 | 25.00 | IP EX HF | | |
| CB9 | S10 | OPSD 705 010 | S19 | 101.27 | | 99.87 | 200 | PVC DR35 | 1.360 | 20.00 | IP EX HF | | |
| CB9A | S10 | OPSD 705 010 | S19 | 101.27 | | 99.87 | 200 | PVC DR35 | 1.360 | 20.00 | IP EX HF | | |
| CB9 | S20A | OPSD 705 010 | S19 | 102.15 | | 100.15 | 200 | PVC DR35 | 1.540 | 15.00 | IP EX HF | | |
| CB20A | S20B | OPSD 705 010 | S19 | 102.37 | | 100.97 | 200 | PVC DR35 | 1.400 | 15.00 | IP EX HF | | |
| RYCB7 | R6 | OPSD 705 010 | S19 | 99.48 | | 98.08 | 200 | PVC DR35 | 1.520 | 34.00 | IP EX HF | | |

NOTES :

1. ALL MATERIALS AND CONSTRUCTION IS TO BE IN ACCORDANCE WITH THE CURRENT CITY OF OTTAWA STANDARD DRAWINGS & SPECIFICATIONS OR OPSS/OPSS IF CITY DRAWINGS AND SPECIFICATIONS DO NOT APPLY.
2. THE POSITION OF UNDERGROUND AND ABOVEGROUND SERVICE, UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH SERVICE, UTILITIES AND STRUCTURES IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING SERVICES AND UTILITIES PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL REPORT ALL CONFLICTS, DISCOVERIES OF ERROR AND DISCREPANCIES TO THE ENGINEER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT AND ASSUME RESPONSIBILITY FOR ALL UTILITIES WHETHER OR NOT SHOWN ON THESE DRAWINGS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL LANDS BEYOND THE SITE LIMITS. ANY AREAS BEYOND THE SITE LIMITS, WHICH ARE DISTURBED DURING CONSTRUCTION, SHALL BE REPAIRED AND RESTORED TO ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE ADJACENT LAND OWNER. THE OWNER, THE OWNERS REPRESENTATIVES AND/OR THE AUTHORITY HAVING JURISDICTION AT THE EXPENSE OF THE CONTRACTOR.
6. WHERE NECESSARY, THE CONTRACTOR SHALL IMPLEMENT A TRAFFIC MANAGEMENT PLAN TO THE SATISFACTION OF THE CITY OF OTTAWA. ALL CONSTRUCTION SIGNAGE MUST CONFORM TO THE LATEST VERSION OF THE M.T.O. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. ALL TEMPORARY TRAFFIC CONTROL MEASURES MUST BE REMOVED UPON THE COMPLETION OF THE WORKS.
7. SHOULD ANY BURIED ARCHAEOLOGICAL REMAINS BE FOUND ON THE PROPERTY DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL NOTIFY THE OWNER TO CONTACT THE HERITAGE OPERATIONS UNIT OF THE ONTARIO MINISTRY OF CULTURE. WORK MUST BE NOTIFIED IMMEDIATE, AND WORK WITHIN THE AREA SHALL BE CEASED UNTIL FURTHER NOTICE.
8. FOR GEOTECHNICAL INFORMATION REFER TO GEOTECHNICAL REPORT NO. 2042530-1000 "GEOTECHNICAL INVESTIGATION BARRETT LANDS-PHASE 3, LEITRIM DEVELOPMENT AREA, 100 LEITRIM ROAD, OTTAWA, ONTARIO", DATED FEBRUARY 2022, PREPARED BY GOLDBER ASSOCIATES.
9. FOR GEODETIC BENCHMARK AND GEOMETRIC LAYOUT OF STREET AND LOTS, REFER TO TOPOGRAPHICAL SURVEY AND PLAN OF SUBDIVISION PREPARED BY STANTEC GEOMATICS. BENCHMARK BASED ON CAN-NET VIRTUAL REFERENCE SYSTEM NETWORK.
10. FOR SITE PLAN INFORMATION, REFER TO SITE PLAN PREPARED BY TAMARACK HOMES.
11. THESE DRAWINGS ARE NOT TO BE SCALED OR USED FOR LAYOUT PURPOSES.
12. ROADWAY SECTIONS REQUIRING GRADE RAISE TO PROPOSED SUB GRADE LEVEL TO BE FILLED WITH ACCEPTABLE NATIVE EARTH BORROW OR IMPORTED OPSS SELECTED SUBGRADE MATERIAL IF NATIVE MATERIAL IS DEFICIENT AS PER RECOMMENDATION OF GEOTECHNICAL ENGINEER.
13. IN AREAS WHERE EXISTING GROUND IS BELOW THE PROPOSED ELEVATION OF SEWER AND WATERMANS, GRADE RAISING AND FILLING IS TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. AS PER CITY GUIDELINES ALL WATERMANS IN FILL AREAS ARE TO BE TIED WITH RESTRAINING JOINTS AND THRUST BLOCKS.
14. REFER TO DRAWING 011 FOR ROADWAY CROSS SECTIONS (IF APPLICABLE).
15. THE CONTRACTOR SHALL IMPLEMENT THE EROSION AND SEDIMENT CONTROL PLAN PRIOR TO THE COMMENCEMENT OF ANY SITE CONSTRUCTION. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED TO THE SATISFACTION OF THE ENGINEER, OR ANY REGULATORY AGENCY. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL VEGETATION IS ESTABLISH OR UNTIL THE START OF A SUBSEQUENT PHASE.
16. CONTRACTORS SHALL BE RESPONSIBLE FOR KEEPING CLEAN ALL ROADS WHICH BECOME COVERED IN DUST, DEBRIS AND/OR MUD AS A RESULT OF ITS CONSTRUCTION OPERATIONS.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL BEDDING OR ADDITIONAL STRENGTH PIPE SHOULD THE MAXIMUM OPSD TRENCH WIDTH BE EXCEEDED.
18. ALL PIPE, CULVERTS, STRUCTURES REFER TO NOMINAL INSIDE DIMENSIONS.
19. SHOULD CLAY SEALS BE REQUIRED, THEY SHALL BE INSTALLED AS PER THE RECOMMENDATIONS WITHIN THE GEOTECHNICAL REPORT.
20. UNLESS SPECIFICALLY NOTED OTHERWISE, PIPE MATERIALS SHALL BE AS FOLLOWS:
 - WATERMANS TO BE PVC DR18
 - SANITARY SEWER TO BE PVC DR35
 - PERFORATED STORM SEWERS IN REAR YARDS AND LANDSCAPE AREAS TO BE HDPE
 - STORM SEWERS 375MM DIAMETER AND LESS TO BE PVC DR35
 - STORM SEWERS 450MM DIAMETER AND GREATER TO BE CONCRETE, CLASS AS PER OPSD 807.010 OR 807.030, OR HIGHER
21. ALL CONNECTIONS TO EXISTING WATERMANS ARE TO BE COMPLETED BY CITY FORCES. CONTRACTOR IS TO EXCAVATE, BACKFILL, COMPACT AND REINSTATE.
22. ANY WATERMAIN WITH LESS THAN 2.4M, AND ANY SEWER WITH LESS THAN 2.0M DEPTH OF COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR AS APPROVED BY THE ENGINEER.
23. ALL STUBBED SEWERS SHALL HAVE PRE-MANUFACTURED CAPS INSTALLED.
24. ALL CATCHBASINS SHALL HAVE A 600MM SUMP. ALL CATCHBASIN MANHOLES, AND ALL STORM MANHOLES WITH OUTLETTING PIPE SIZES LESS THAN 900MM, SHALL HAVE A 300MM SUMP.
25. ALL SANITARY MANHOLES SHALL BE EQUIPPED WITH A WATERTIGHT COVER.
26. ALL LEADS FOR STREET CATCHBASINS AND CURB INLET CATCHBASINS CONNECTED TO MAIN SHALL BE 200MMØ PVC DR35 @ MIN 2% SLOPE UNLESS NOTED OTHERWISE. ALL LEADS FOR RYCB'S CONNECTED TO MAIN SHALL BE 200MMØ PVC DR35 @ MIN 1% SLOPE UNLESS NOTED OTHERWISE.
27. UNLESS SPECIFICALLY NOTED OTHERWISE, ALL STREET CATCHBASINS SHALL BE INSTALLED WITH TWO - 3.0M MINIMUM SUBDRAINS INSTALLED LONGITUDINALLY, PARALLEL WITH THE CURB. ALL CATCHBASINS IN ASPHALT AREAS, NOT ADJACENT TO A CURB, SHALL BE INSTALLED WITH FOUR - 3.0M MINIMUM SUBDRAINS INSTALLED ORTHOGONALLY.
28. INLET CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMPLETING THE ROAD BASE (GRANULAR A).
29. ALL SEWER SERVICE LATERALS WITH MAINLINE CONNECTIONS DEEPER THAN 5.0M REQUIRE A CONTROLLED SETTLEMENT JOINT.
30. EACH BUILDING SHALL BE EQUIPPED WITH A SANITARY AND STORM SEWER BACKWATER VALVE AND CLEAN-OUT ON ITS PRIMARY SERVICE, AS PER ONTARIO BUILDING CODE REQUIREMENTS (BY OTHERS).
31. THE HGL PROVIDED IS BASED ON HYDRAULIC MODELING COMPLETED USING THE 100 YEAR MODIFIED RATIONAL METHOD.
32. THE SUBGRADE OF ALL STRUCTURES, PIPE, ROADS, SIDEWALKS, WALKWAYS, AND BUILDINGS SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
33. TOP COURSE ASPHALT SHALL NOT BE PLACED UNTIL THE FINAL CCTV INSPECTION AND NECESSARY REPAIRS HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF OTTAWA.
34. ALL RETAINING WALLS GREATER THAN 1.0M IN HEIGHT SHALL BE DESIGNED BY A QUALIFIED STRUCTURAL ENGINEER.
35. ALL RETAINING WALLS GREATER THAN 0.6M IN HEIGHT REQUIRE A GUARD. ANY GUARD ON A RETAINING WALL GREATER THAN 1.0M IN HEIGHT SHALL BE DESIGNED BY THE QUALIFIED STRUCTURAL ENGINEER RESPONSIBLE FOR THE WALL DESIGN.
36. UPON COMPLETION OF THE RETAINING WALL, THE CONTRACTOR SHALL REQUEST A CONFORMANCE CERTIFICATE FROM THE QUALIFIED ENGINEER RESPONSIBLE FOR THE WALL DESIGN.

ROADWAY STRUCTURE:

| LOCAL ROAD (.690mm) | |
|---------------------|-------------------------------------|
| 40mm | - SUPERPAVE 12.5 ASPHALTIC CONCRETE |
| 50mm | - SUPERPAVE 19.0 ASPHALTIC CONCRETE |
| 150mm | - OPSS GRANULAR "A" CRUSHED STONE |
| 450mm | - OPSS GRANULAR "B" TYPE II |

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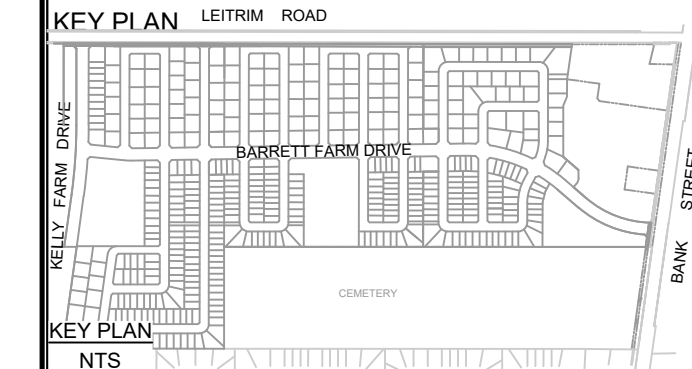
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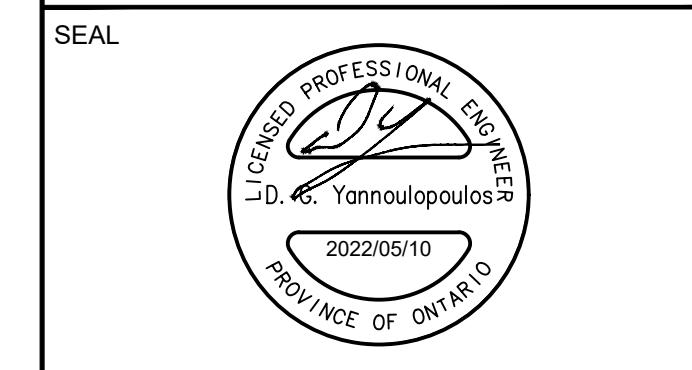
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 Ottawa ON K1S 5N4 Canada
 Tel: 613 225 1311 / 613 241 3300 Fax: 613 225 9868
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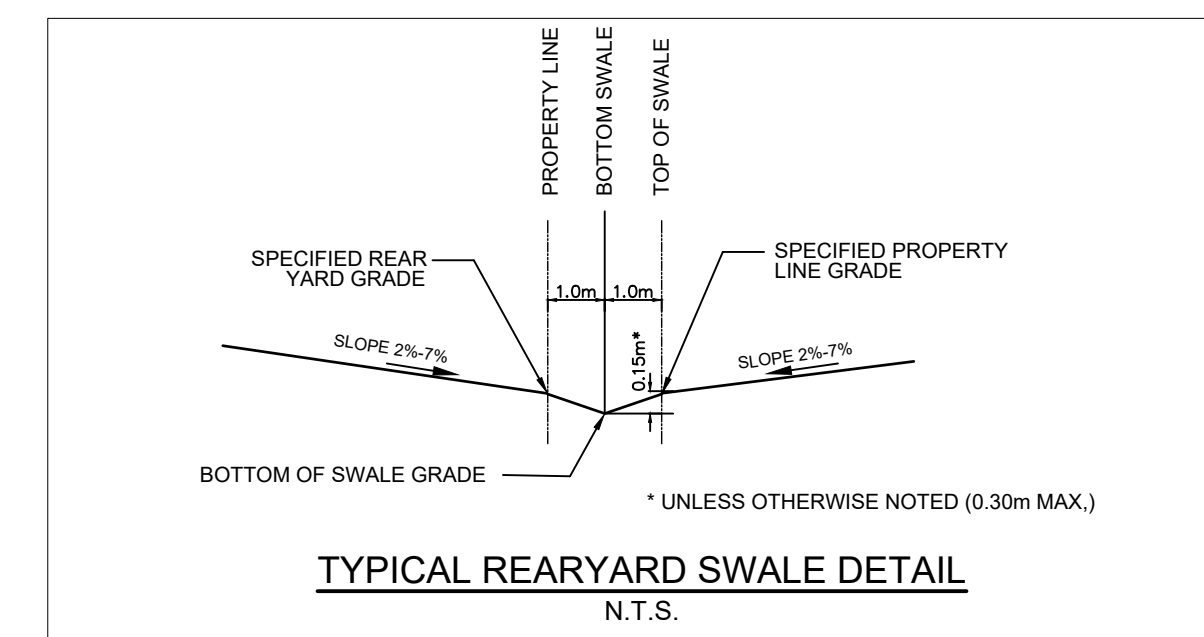
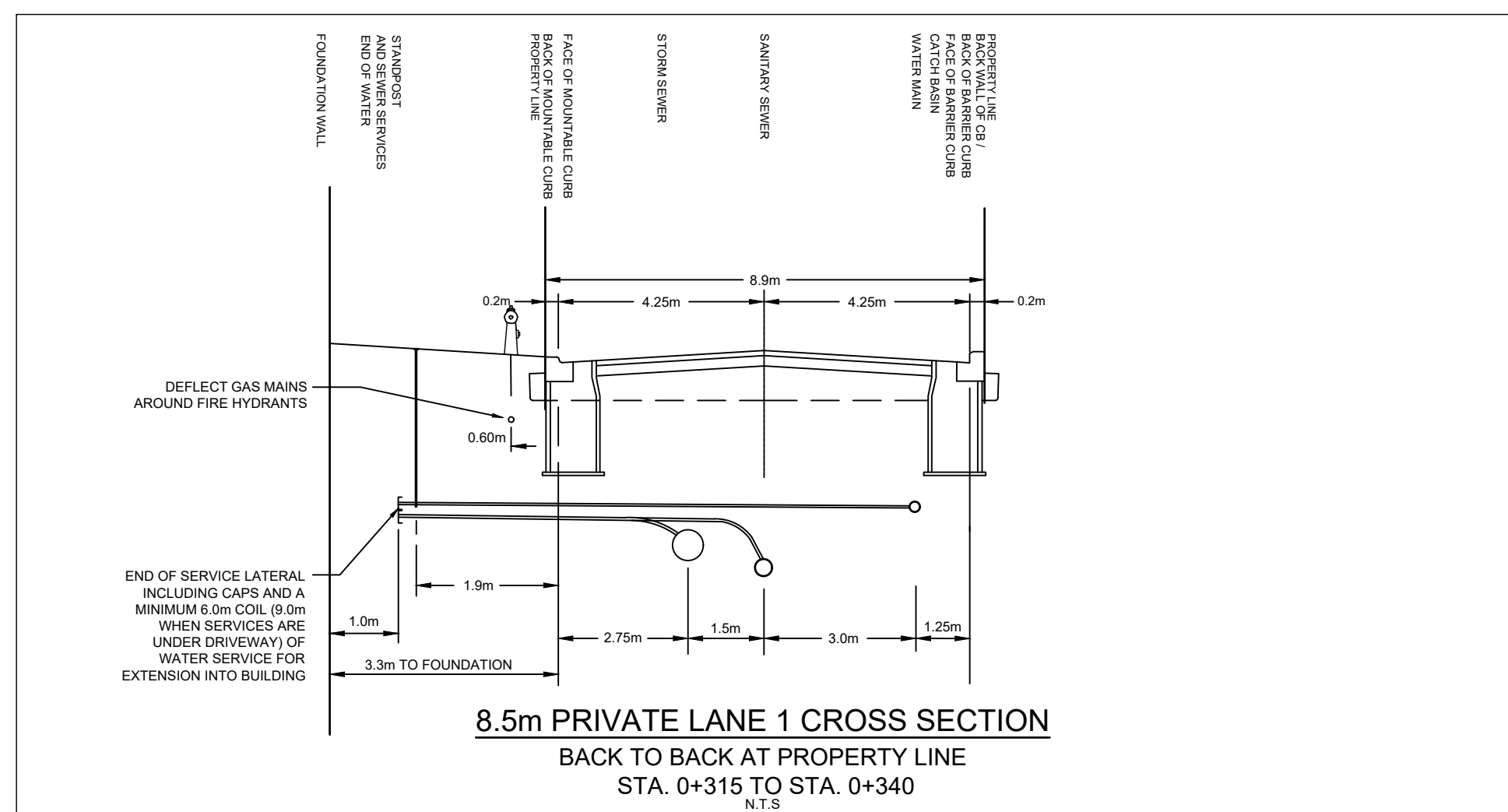
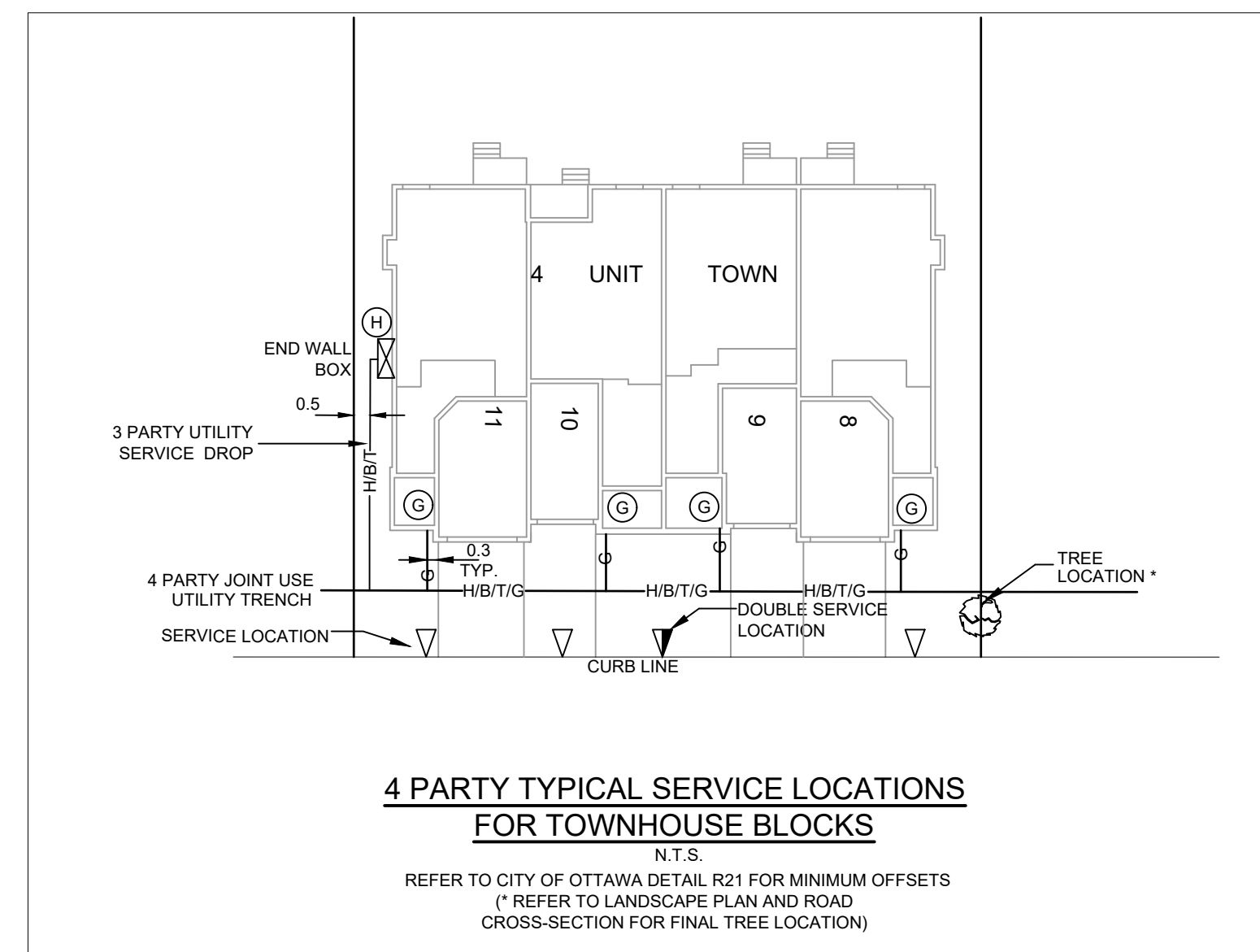
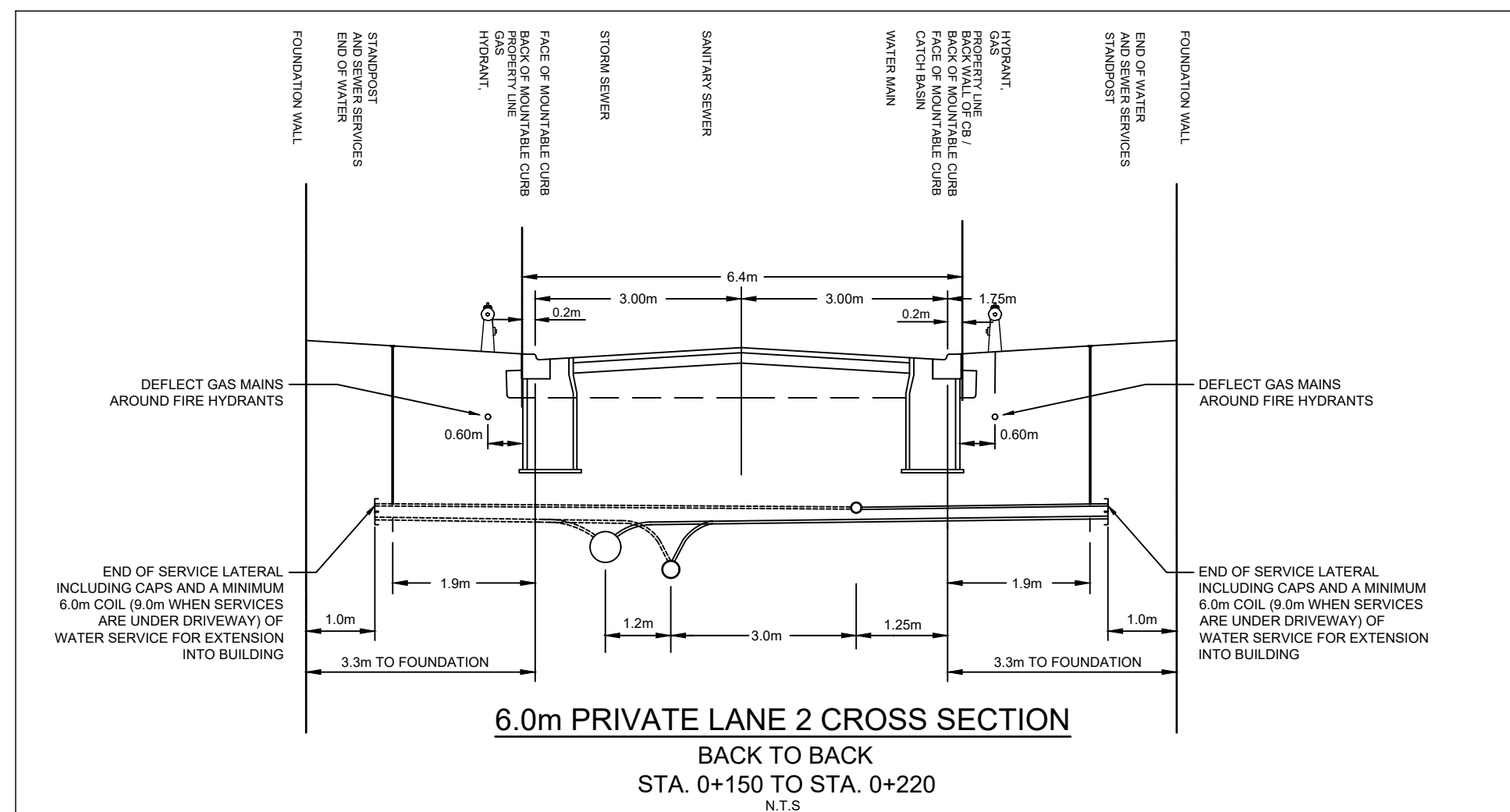
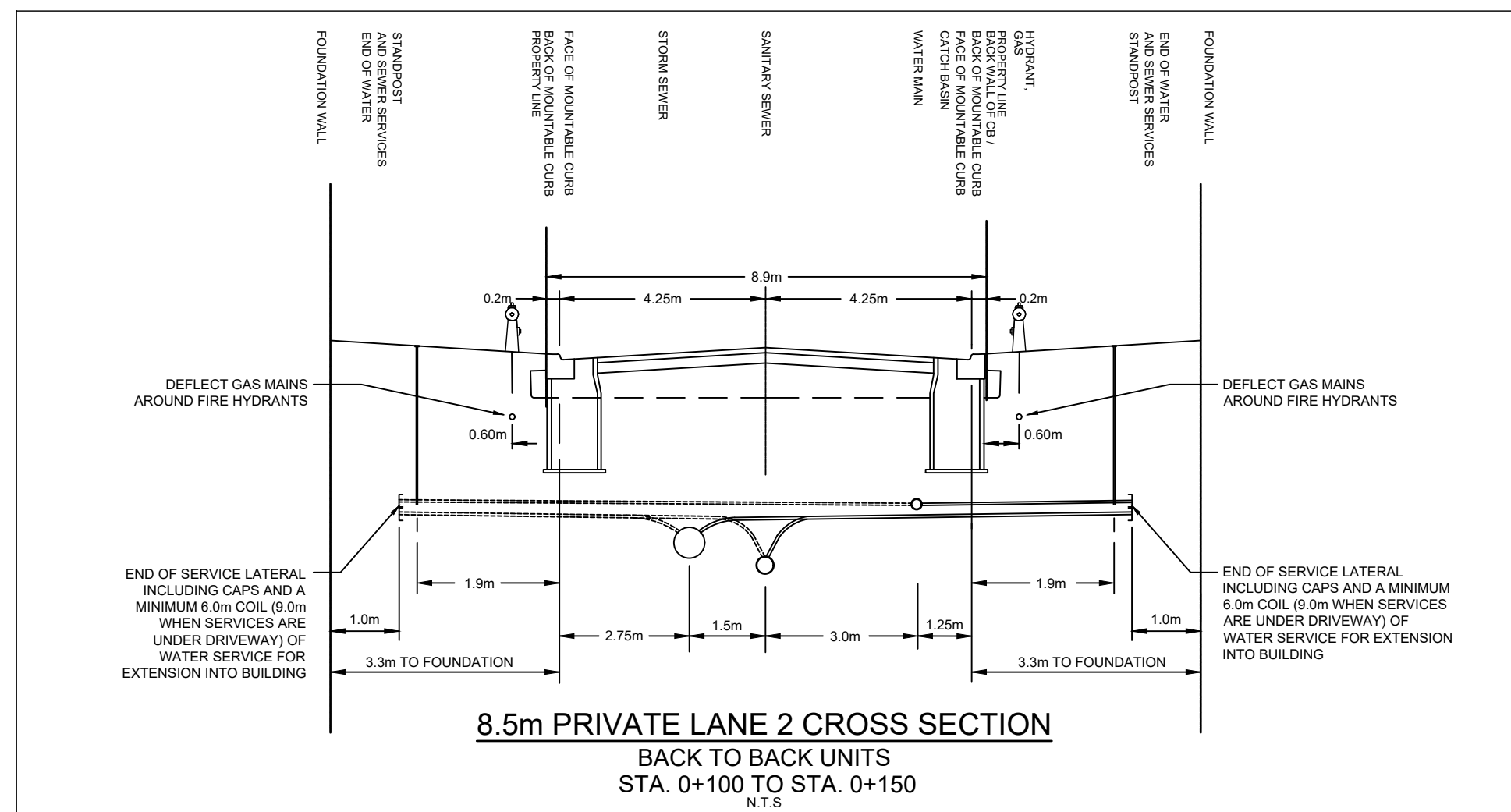
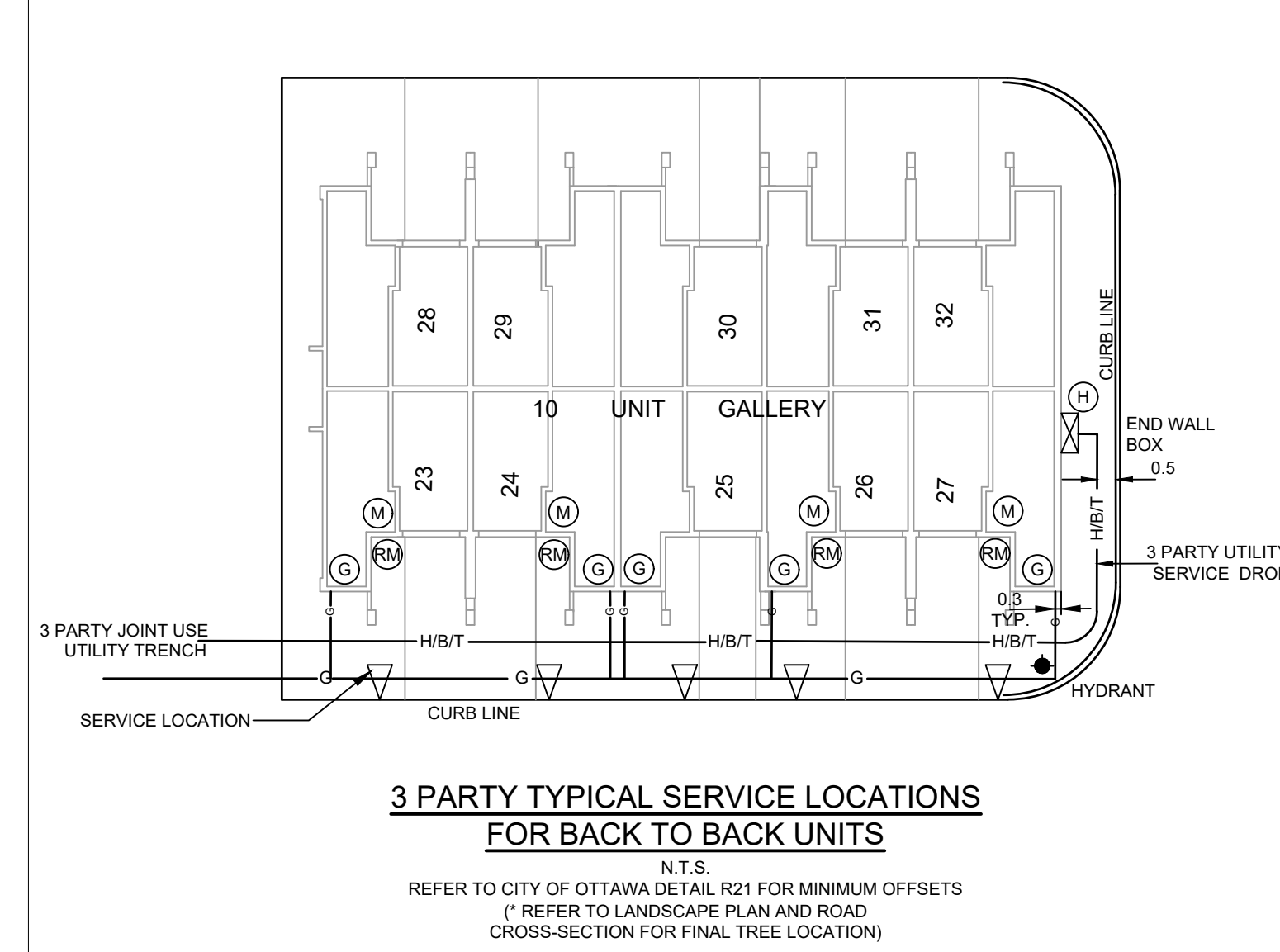
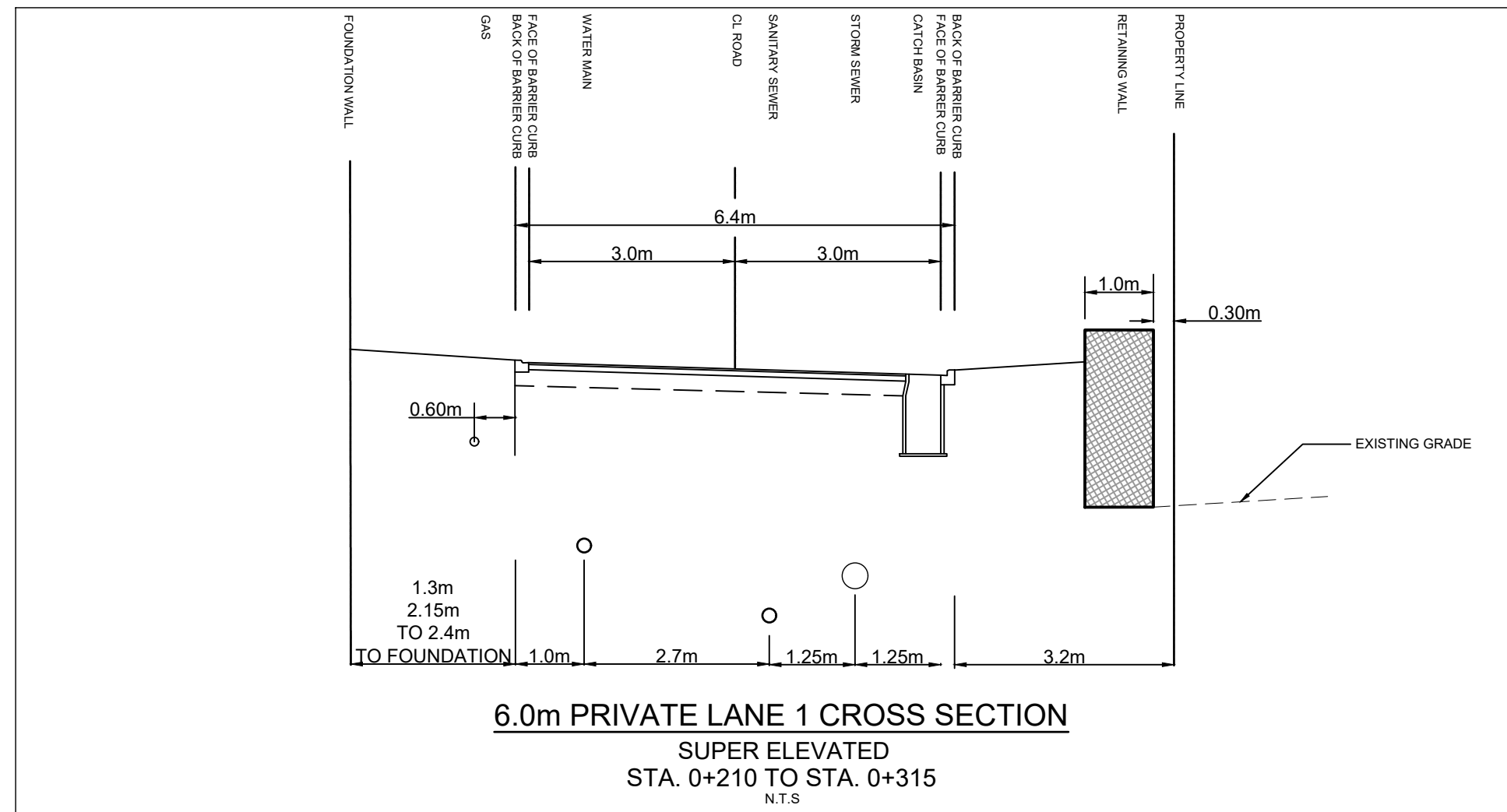
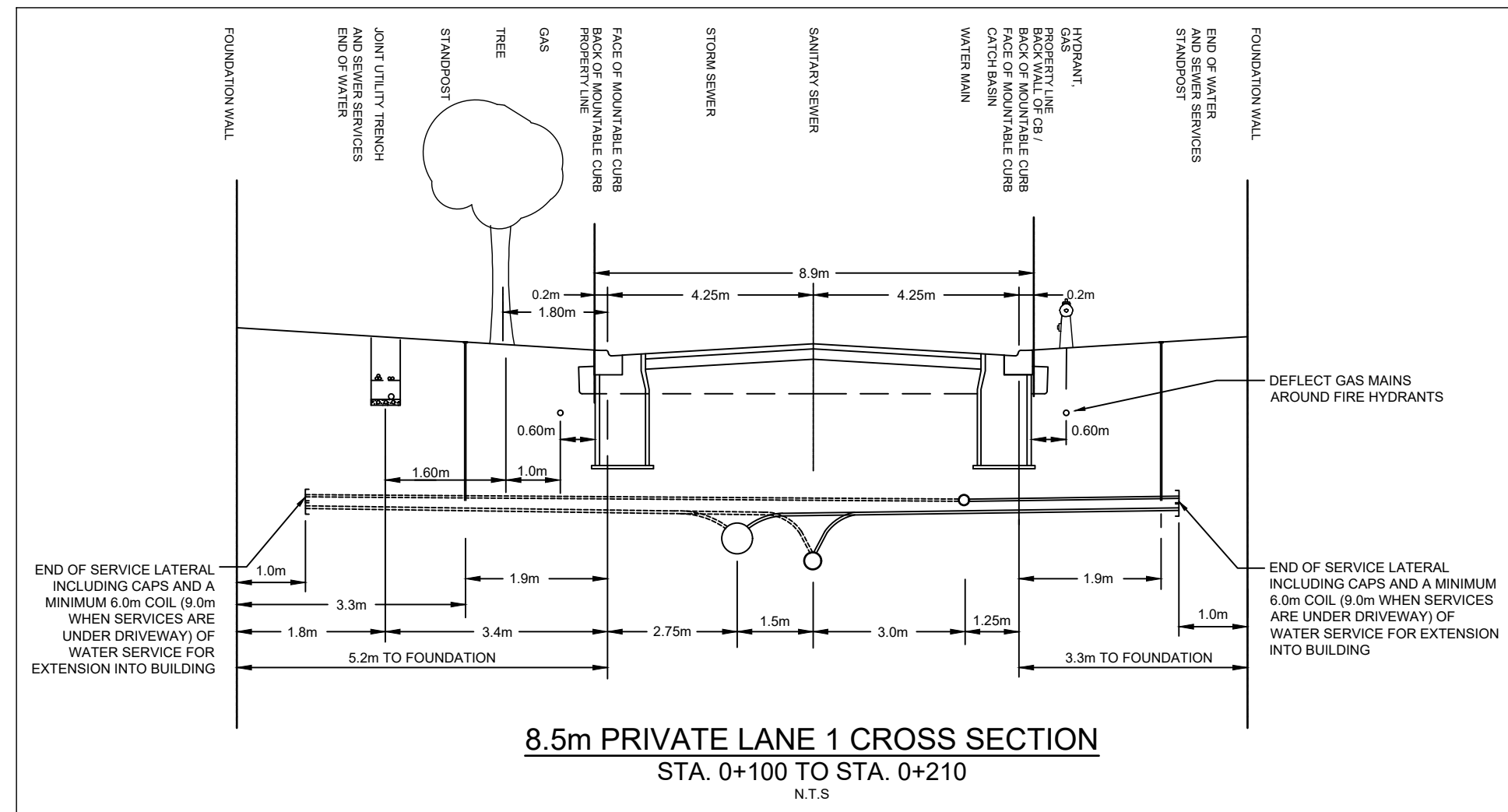
PROJECT
BARRETT BLOCK 178

PROJECT NO:
135925

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| PROJECT MGR: R.M. | APPROVED BY: J.I.M. |

SHEET TITLE
NOTES LEGEND CB DATA

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|-----------------------------------|--------------------------|
| SHEET NUMBER 010 | ISSUE 1 |
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KEY PLAN LETRIM ROAD
 RELLY FARM DRIVE
 BARRETT FARM DRIVE
 RANK STREET
 KEY PLAN
 N.T.S.

CONSULTANTS

SEAL

IBI GROUP
 Suite 400 - 333 Preston Street
 Ottawa ON K1S 5N4 Canada
 Tel: 613 225 1311 / 613 241 3300 Fax: 613 225 9868
 ibigroup.com

PROJECT
BARRETT BLOCK 178

PROJECT NO:
 135925

DRAWN BY:
 M.M.

CHECKED BY:
 A.C.

PROJECT MGR:
 R.M.

APPROVED BY:
 J.I.M.

SHEET TITLE
STREET SECTIONS

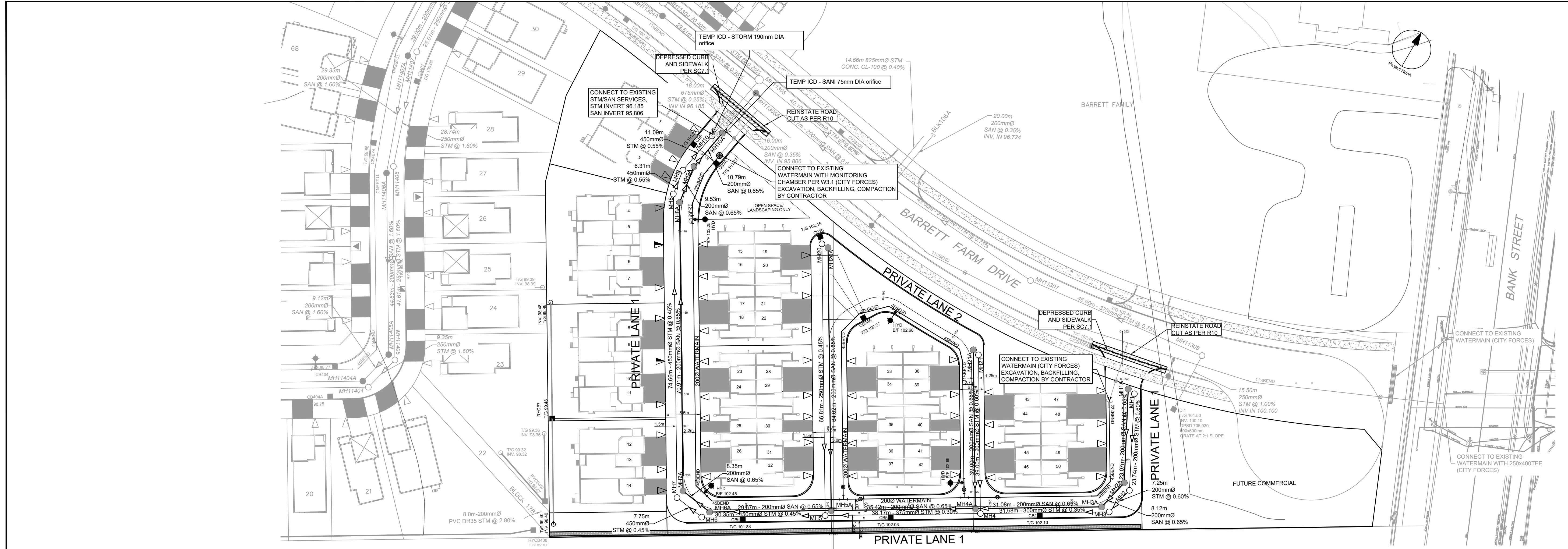
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ISSUE
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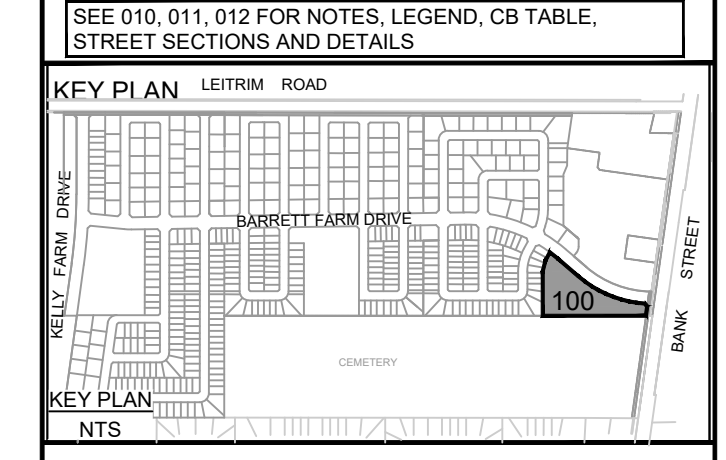


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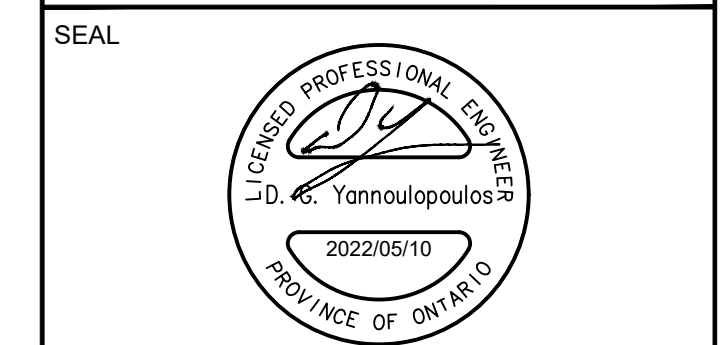
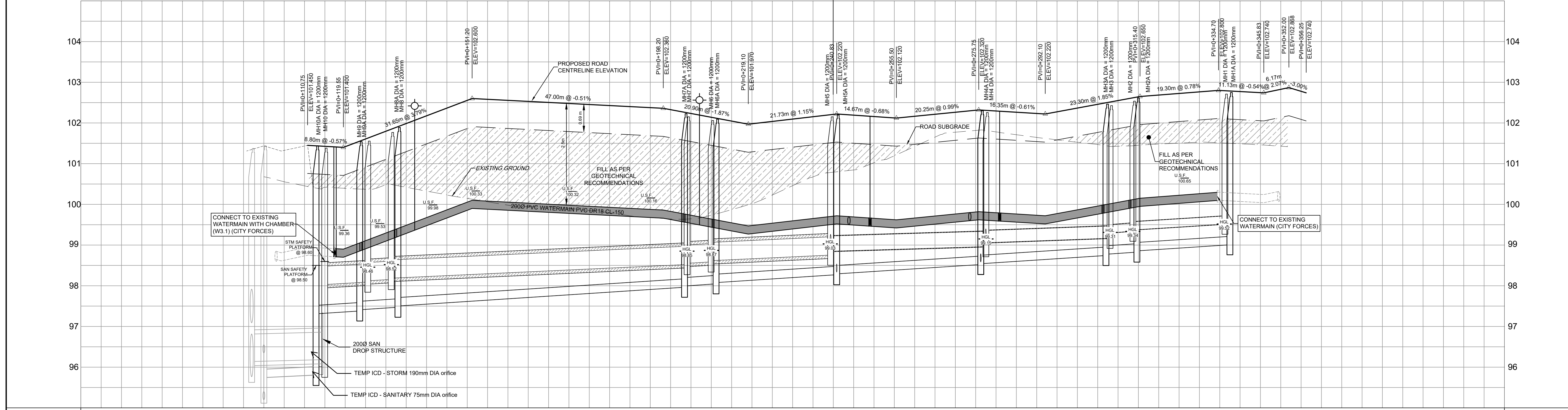
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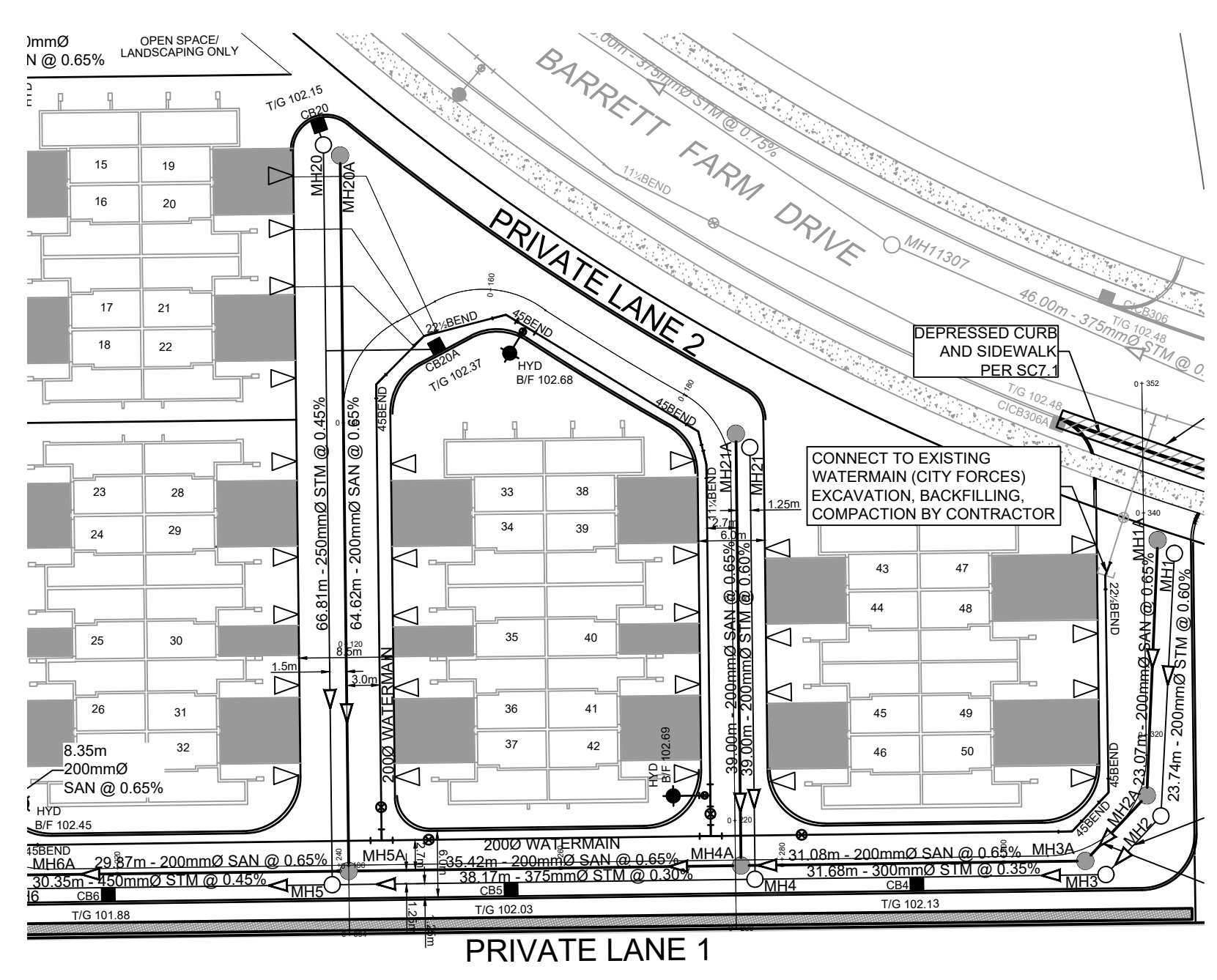
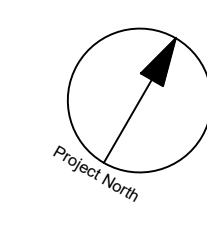
| ROAD GRADE | TOP OF WATERMAIN | STM SEWER INVERT | SAN SEWER INVERT | STATION | ROAD GRADE | TOP OF WATERMAIN | STM SEWER INVERT | SAN SEWER INVERT | STATION |
|------------|------------------|--|-------------------------------------|---------|------------|------------------|---|------------------------------------|---------|
| 101.450 | 98.812 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | 0+100 | 102.453 | 99.853 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | 0+180 |
| 101.465 | 98.817 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | 0+120 | 102.326 | 99.826 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | 0+200 |
| 101.477 | 98.817 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | 0+140 | 102.326 | 99.826 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | 0+220 |
| 102.175 | 99.875 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | 0+160 | 102.453 | 99.853 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | 0+240 |
| 102.000 | 100.100 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | 0+180 | 102.228 | 99.728 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | 0+260 |
| 102.555 | 100.855 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | 0+200 | 102.120 | 99.820 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | 0+280 |
| 102.453 | 99.853 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | 0+220 | 102.164 | 99.864 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | 0+300 |
| 102.360 | 99.826 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | 0+240 | 102.220 | 99.720 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | 0+320 |
| 102.326 | 99.826 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | 0+260 | 102.366 | 99.866 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | 0+340 |
| 101.888 | 99.828 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | 0+280 | 102.650 | 100.150 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | 0+360 |
| 102.228 | 99.728 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | 0+300 | 102.686 | 100.186 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | |
| 102.120 | 99.820 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | 0+320 | 102.800 | 100.295 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | |
| 102.164 | 99.864 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | 0+340 | 102.771 | 102.740 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | |
| 102.320 | 99.820 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | 0+360 | 102.740 | 102.868 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | |
| 102.294 | 99.794 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | | 102.740 | 102.868 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | |
| 102.220 | 99.720 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | | 102.740 | 102.868 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | |
| 102.366 | 99.866 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | | 102.740 | 102.868 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | |
| 102.650 | 100.150 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | | 102.740 | 102.868 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | |
| 102.686 | 100.186 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | | 102.740 | 102.868 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | |
| 102.800 | 100.295 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | | 102.740 | 102.868 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | |
| 102.771 | 102.740 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | | 102.740 | 102.868 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | |
| 102.740 | 102.868 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | | 102.740 | 102.868 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | |
| 102.868 | 102.868 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | | 102.740 | 102.868 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | |
| 102.740 | 102.868 | 11.05m 450mmØ CONC. CL 100-D STM @ 0.55% | 10.79m 200mmØ PVC DR-35 SAN @ 0.65% | | 102.740 | 102.868 | 7.75m 450mmØ CONC. CL 100-D STM @ 0.45% | 8.35m 200mmØ PVC DR-35 SAN @ 0.65% | |

PROJECT
BARRETT BLOCK 178

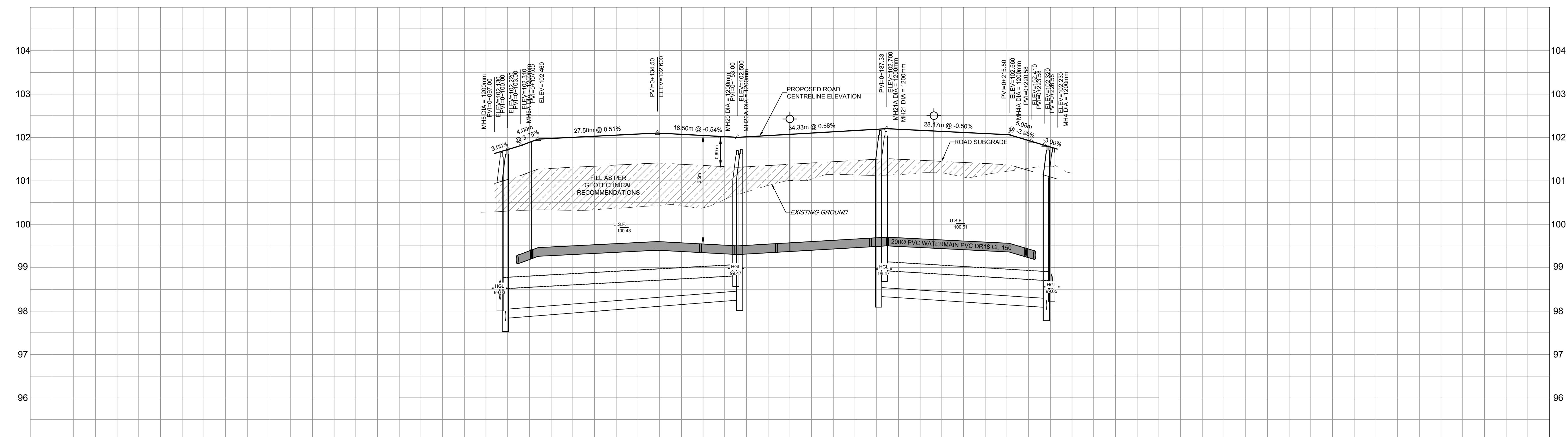
PROJECT NO: 135925
DRAWN BY: M.M.
PROJECT MGR: R.M.
SHEET TITLE: PRIVATE LANE 1

CHECKED BY: A.C.
APPROVED BY: J.I.M.

SHEET NUMBER: 100
ISSUE: 1



CEMETERY LANDS



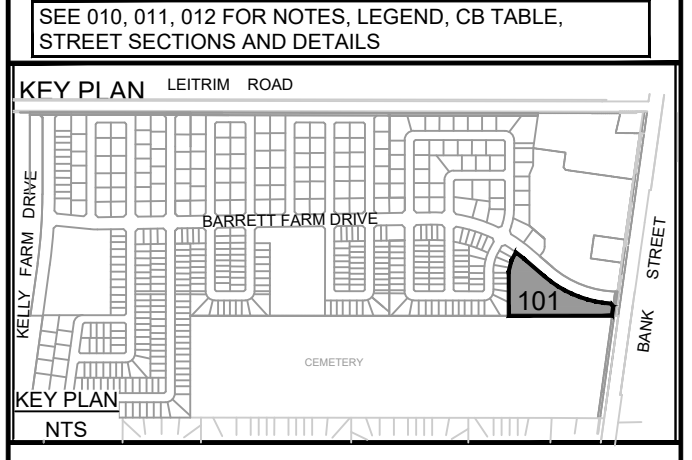
| | | | | | | | | | | | | | | |
|------------------|--|--|---------------------------------------|---------|---------|----------|---------|----------|--|---------|---------------------------------|-------------------------------|------------------|------------------|
| ROAD GRADE | | 102.130 102.220 102.310 102.460 | 102.526 | 102.600 | 102.570 | 102.500 | 102.541 | 102.657 | 102.700 | 102.637 | 102.560 | 102.470 102.420 102.320 | 102.230 | ROAD GRADE |
| TOP OF WATERMAIN | | 99.816 99.860 | 100.026 | 100.100 | 100.070 | 100.000 | 100.041 | 100.157 | 100.200 | 100.137 | 100.060 | 99.827 99.868 | | TOP OF WATERMAIN |
| STM SEWER INVERT | | 98.755SW 98.844NE 99.075NW | 66.81m - 250mmØ PVC DR-35 STM @ 0.45% | | | 99.314SE | | 99.432SE | 39.00m 200mmØ PVC DR-35 STM @ 0.60% | | 99.198NW 99.247E 99.585SW | | STM SEWER INVERT | |
| SAN SEWER INVERT | | 98.755SW 98.844NE 99.075NW | 64.62m - 200mmØ PVC DR-35 SAN @ 0.65% | | | 99.314SE | | 99.432SE | 39.00m 200mmØ PVC DR-35 SAN @ 0.65% | | 99.198NW 99.247E 99.585SW | | SAN SEWER INVERT | |
| STATION | | 0+080 | 0+100 | 0+120 | 0+140 | 0+160 | 0+180 | 0+200 | 0+220 | 0+240 | | | STATION | |

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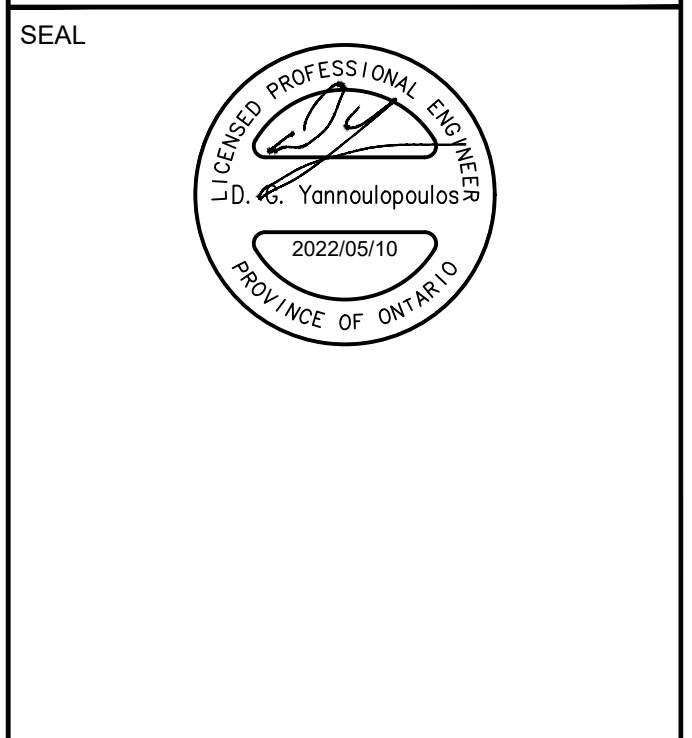
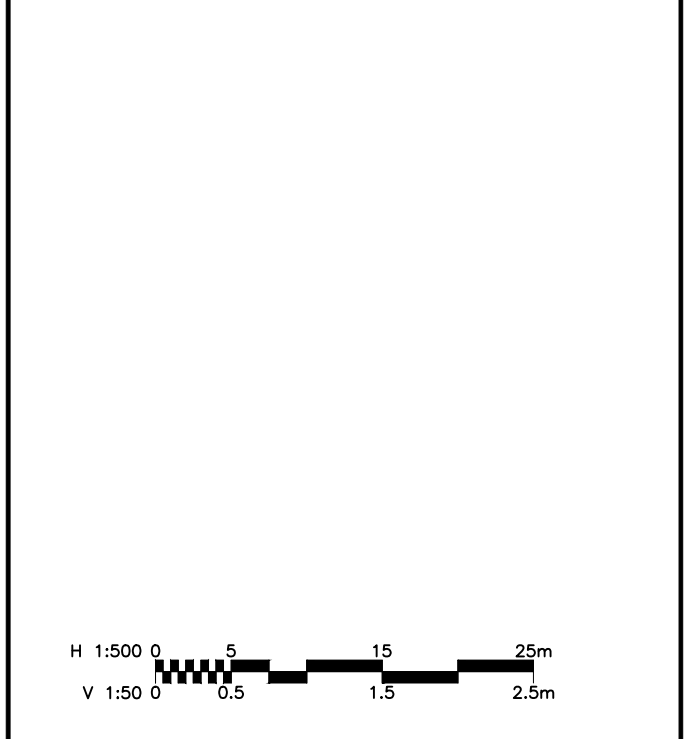
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ISSUES

| No. | DESCRIPTION | DATE |
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| 1 | SUBMISSION NO.1 FOR CITY REVIEW | 2022-05-10 |
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IBI GROUP
Suite 400 - 333 Preston Street
Ottawa ON K1S 5N4 Canada
tel 613 225 1311 / 613 241 3300 fax 613 225 9868
ibigroup.com

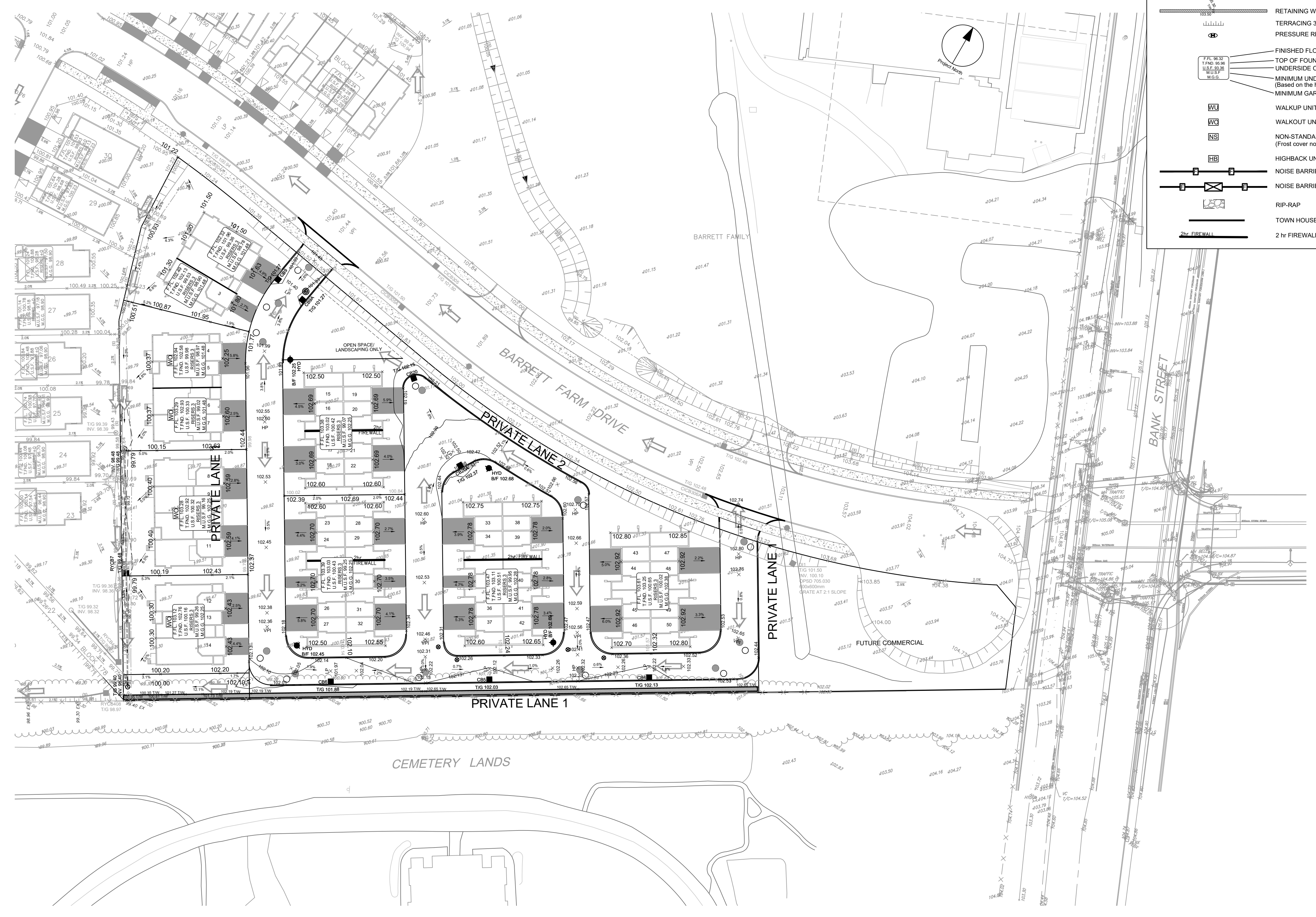
PROJECT
BARRETT BLOCK 178

PROJECT NO:
135925
DRAWN BY:
M.M.
PROJECT MGR:
R.M.
CHECKED BY:
A.C.
APPROVED BY:
J.I.M.

SHEET TITLE
PRIVATE LANE 2

SHEET NUMBER
101
ISSUE
1

CITY FILE No. D07-135925-101-1
SCALE CHECK
File Location: \\113925_01\Design\04_Civil\Sheets\101_STREET NO.2.dwg Last Saved: May 6, 2022, 11:29:01 AM by Marianne Milne
Printed: Tuesday, May 10, 2022, 11:29:01 AM by Marianne Milne



GRADING LEGEND

- PROPOSED DITCH CW FLOW DIRECTION AND SLOPE
- SLOPE CW FLOW DIRECTION
- MAJOR OVERLAND FLOW ROUTE
- PROPOSED SPOT GRADE
- PROPOSED SWALE GRADE
- PROPOSED SWALE HIGH POINT GRADE
- LOT CORNER GRADE CW EXISTING GRADE
- FULL STATIC PONDING GRADE
- RETAINING WALL CW TOP OF WALL AND GRASS GRADE
- TERRACING 3:1 MAXIMUM UNLESS NOTED OTHERWISE
- PRESSURE REDUCING VALVE
- FINISHED FLOOR ELEVATION
- TOP OF FOUNDATION ELEVATION
- UNDERSIDE OF FOOTING ELEVATION
- MINIMUM UNDERSIDE OF FOOTING (Based on the higher of the sewer overbits, or hydraulic grade line)
- MINIMUM GARAGE GRADE
- WALKUP UNIT
- WALKOUT UNIT
- NON-STANDARD FOUNDATION (Frost cover not provided for standard unit)
- HIGHBACK UNIT (1.5m frost cover on footings)
- NOISE BARRIER LOCATION
- NOISE BARRIER GATE
- RIP-RAP
- TOWN HOUSE SPLITS
- 2 hr FIREWALL

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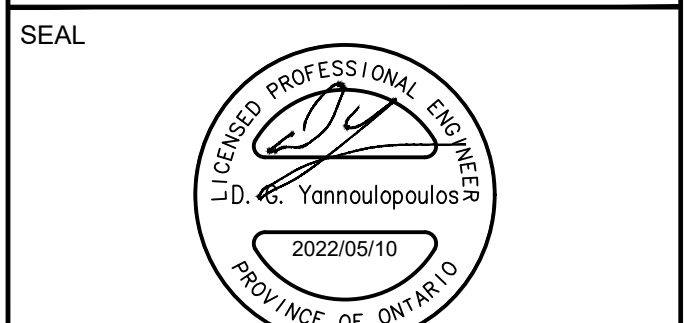
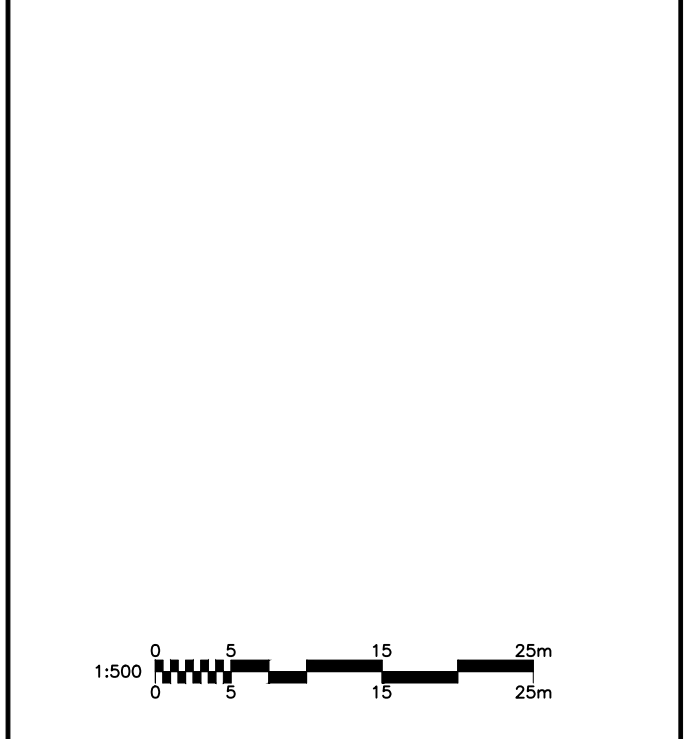
ISSUES

| No. | DESCRIPTION | DATE |
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| 1 | SUBMISSION NO. 1 FOR CITY REVIEW | 2022-05-10 |
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SEE 010, 011, 012 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS.



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IBI GROUP
Suite 400 - 333 Preston Street
Ottawa ON K1S 5N4 Canada
Tel: 613 225 1311 / 613 241 3300 Fax: 613 225 9868
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PROJECT
BARRETT BLOCK 178

PROJECT NO:
135925

| | |
|-----------------------------|-------------------------------|
| DRAWN BY: M.M. | CHECKED BY: A.C. |
| PROJECT MGR: R.M. | APPROVED BY: J.I.M. |

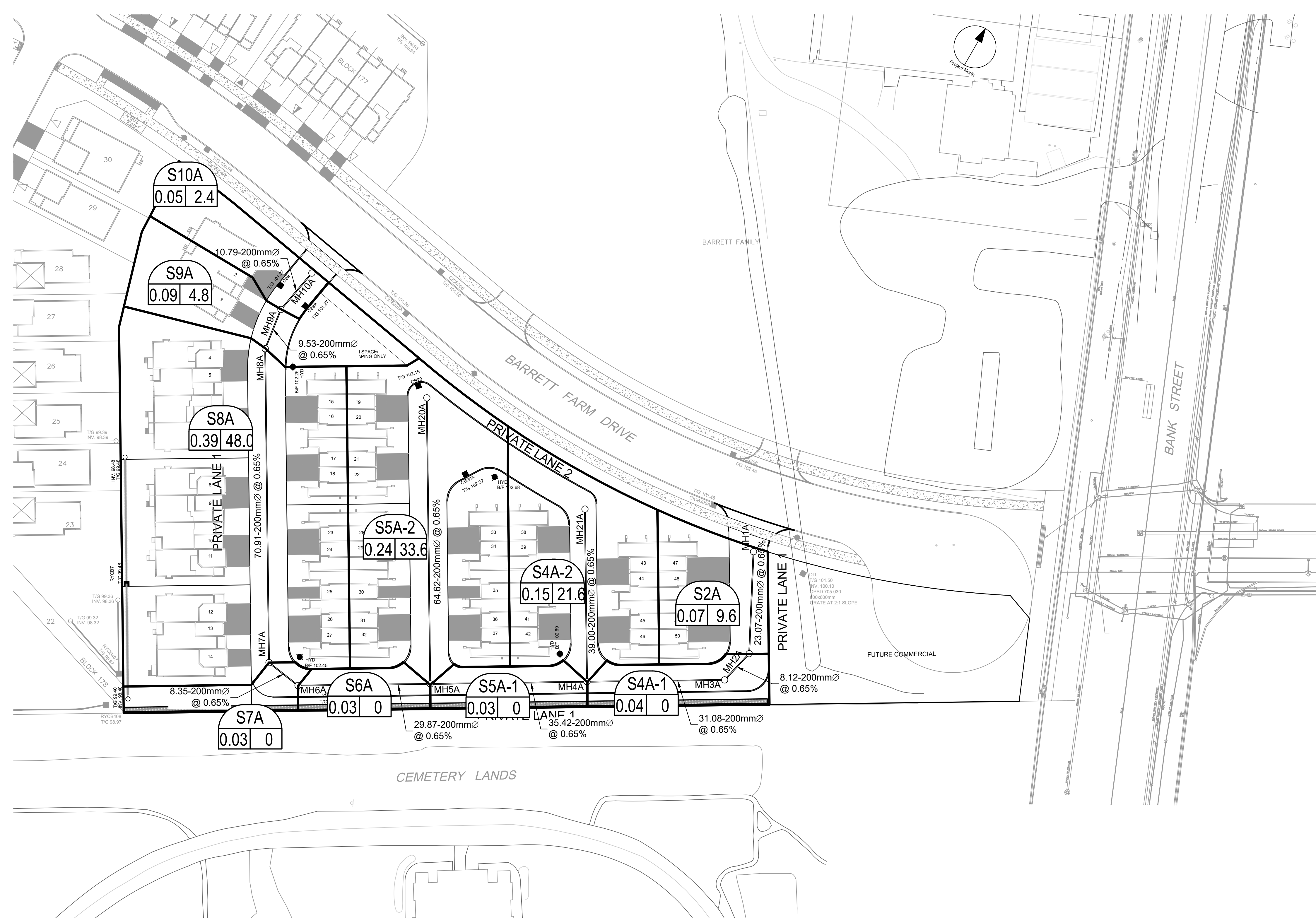
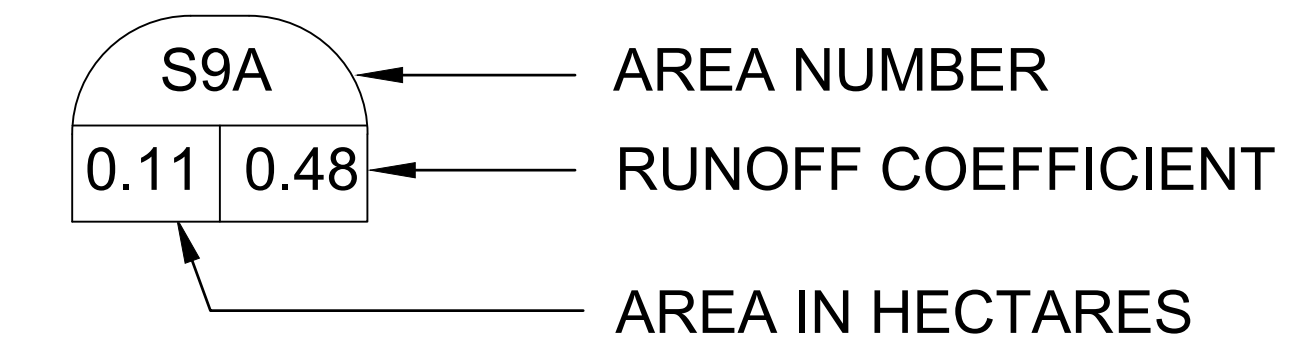
SHEET TITLE
GRADING PLAN

| | |
|----------------------------|-------------------|
| SHEET NUMBER 200 | ISSUE 1 |
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CITY PLAN No. xxxxx

CITY FILE No. D07-1
SCALE CHECK
Plot: Tuesday, May 10, 2022 11:29:25 AM by Minian Mline
Last Saved: May 9, 2022, by minnie
File Location: \\1135925_Barrett.and57.0_Production\7_03_Design\04_Civil\Sheet\200 GRADING PLAN.dwg

LEGEND :



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| 1 | SUBMISSION NO. 1 FOR CITY REVIEW | 2022-05-10 |
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SEE 010, 011, 012 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS.

KEY PLAN
 LEITRIM ROAD
 BARRETT FARM DRIVE
 BANK STREET
 400

CONSULTANTS

SCALE
 1:500
 0 5 10 15 20 25m

SEAL

 J.D. K. Yornouloupoulos
 2022/05/10
 PROVINCE OF ONTARIO

PROJECT
BARRETT BLOCK 178

PROJECT NO:
135925

DRAWN BY: **M.M.** CHECKED BY: **A.C.**

PROJECT MGR: **R.M.** APPROVED BY: **J.I.M.**

SHEET TITLE
SANITARY DRAINAGE AREA PLAN

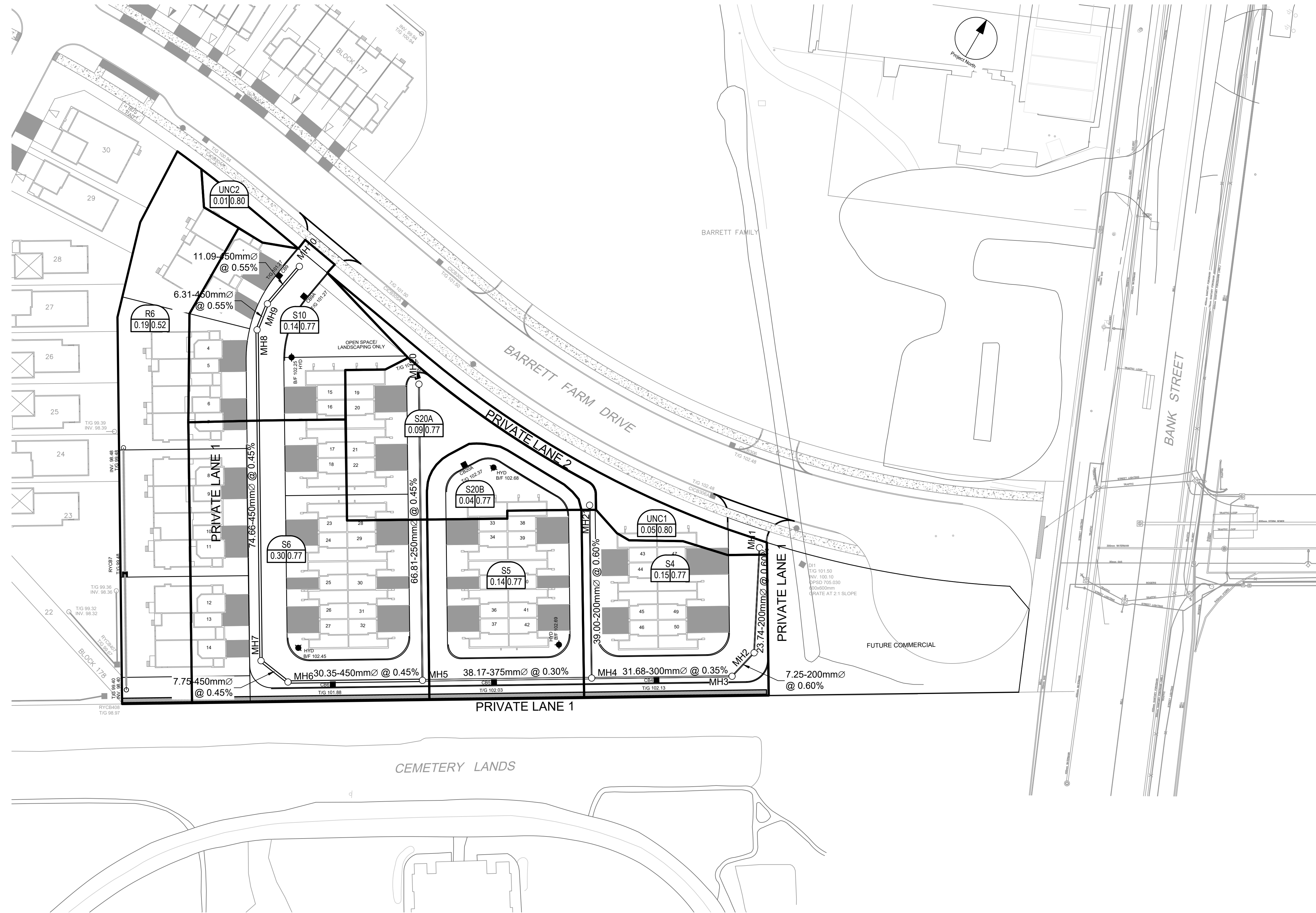
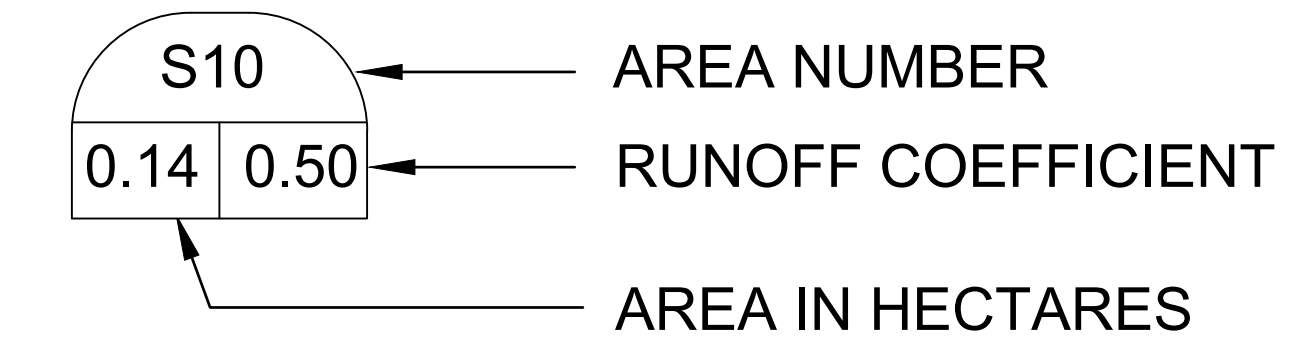
SHEET NUMBER **400** ISSUE **1**

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PROJECT
 J:\135925_Barrett\04_SANITARY DRAINAGE AREA PLAN.dwg
 Last Saved: May 5, 2022, by rmmine
 Plotted: Tuesday, May 10, 2022 11:29:42 AM by Marian Mine
 CITY FILE No. D07-

CITY PLAN No. xxxxx

LEGEND :



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| 1 | SUBMISSION NO. 1 FOR CITY REVIEW | 2022-05-10 |
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| SEE 010, 011, 012 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS. | | |
| KEY PLAN | | |
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| PROJECT BARRETT BLOCK 178 | | |
| PROJECT NO: 135925 | | |
| DRAWN BY: M.M. | CHECKED BY: A.C. | |
| PROJECT MGR: R.M. | APPROVED BY: J.I.M. | |
| SHEET TITLE STORM DRAINAGE AREA PLAN | | |
| SHEET NUMBER 500 | ISSUE 1 | |

CITY FILE No. D07-
 SCALE CHECK
 File Location: J:\135925_Design\04_Civil\Sheet\600 STORM DRAINAGE AREA PLAN.dwg Last Saved: April 21, 2022, by rmmine Plotted: Tuesday, May 10, 2022 1:28:57 AM by Marian Milne

CLIENT

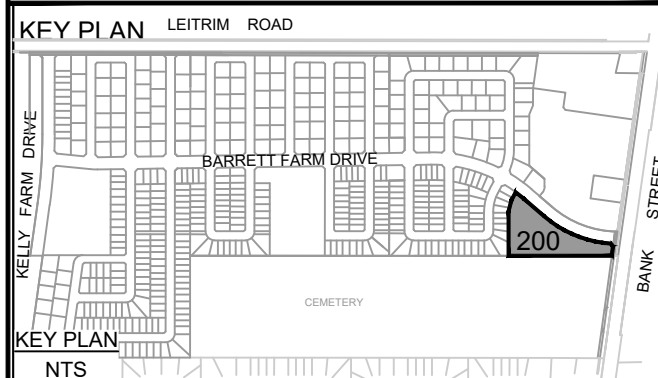
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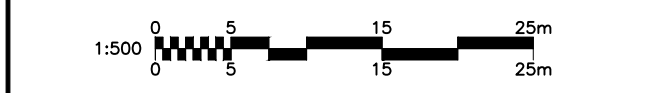
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| ISSUES | | |
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| No. | DESCRIPTION | DATE |
| 1 | SUBMISSION NO. 1 FOR CITY REVIEW | 2022-05-10 |
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CONSULTANTS



IBI GROUP
Suite 400 - 333 Preston Street
Ottawa ON K1S 5N4 Canada
tel 613 225 1311 / 613 241 3300 fax 613 225 9868
biggroup.com

PROJECT
BARRETT BLOCK 178

PROJECT NO:
135925

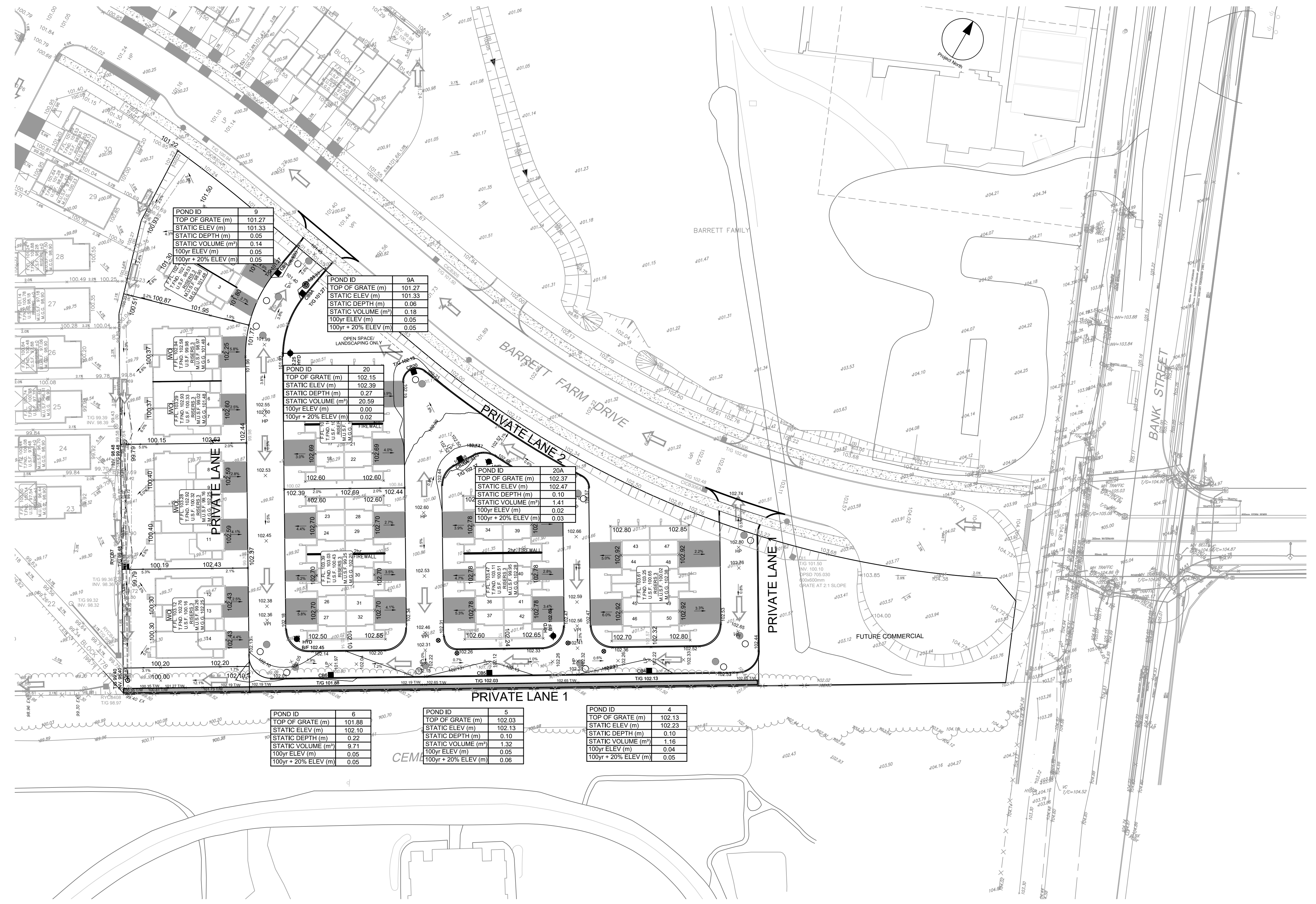
DRAWN BY: M.M. **CHECKED BY:** A.C.

PROJECT MGR: R.M. **APPROVED BY:** J.I.M.

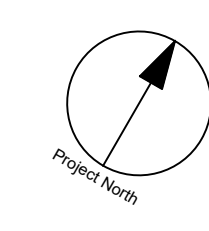
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PONDING PLAN

SHEET NUMBER
600 **ISSUE**
1

CITY PLAN No. xxxxx



FILE LOCATION: J:\135925_Barrett\03_Design\04_Civil\Sheet\600_PONDING PLAN.dwg Last Saved: May 8, 2022, by rmmine Plotted: Tuesday, May 10, 2022 11:30:19 AM by Minam Mine
SCALE CHECK
CITY FILE No. D07-



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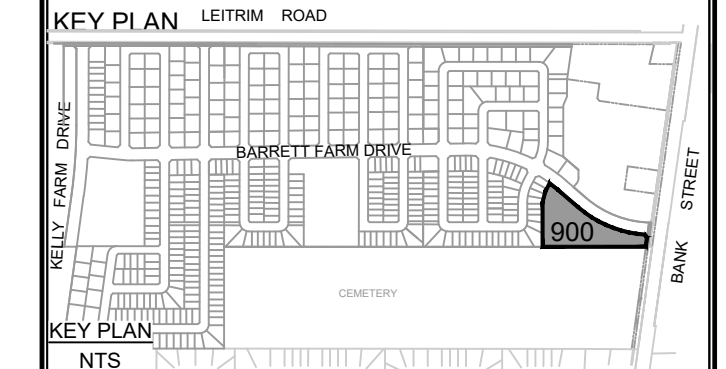
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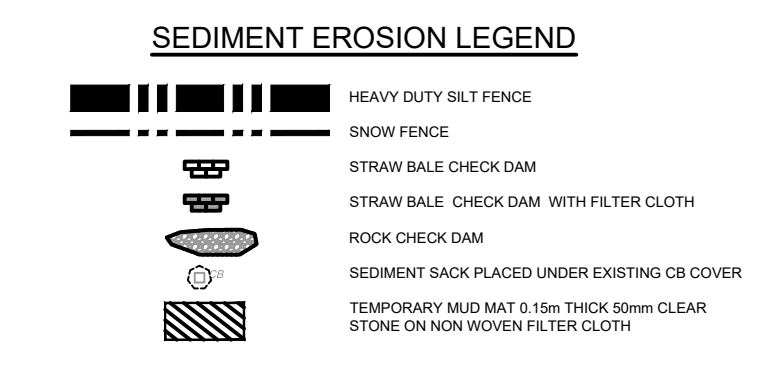
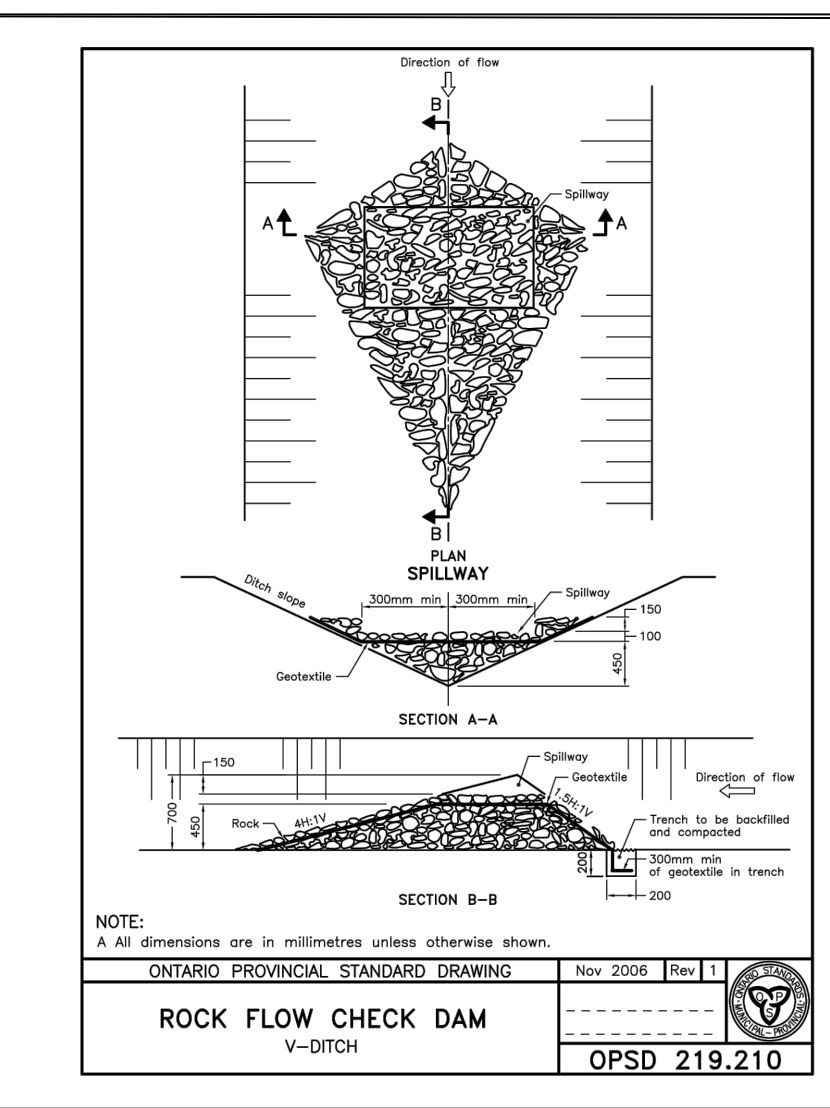
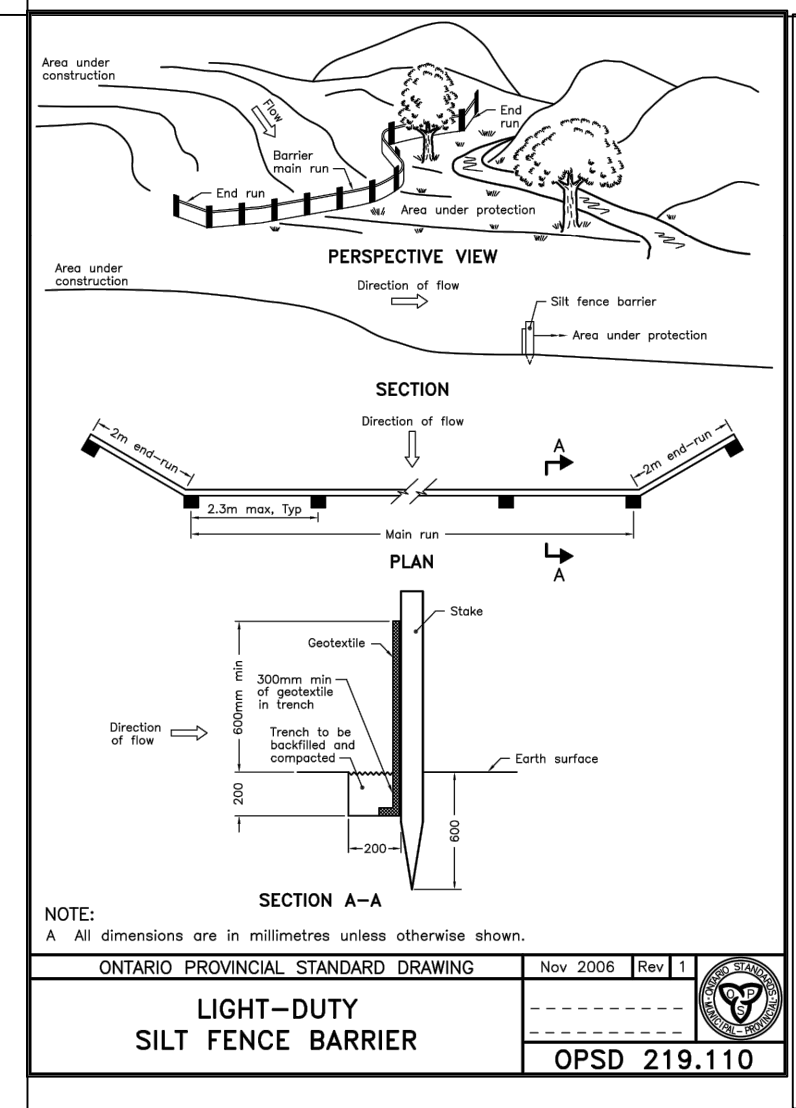
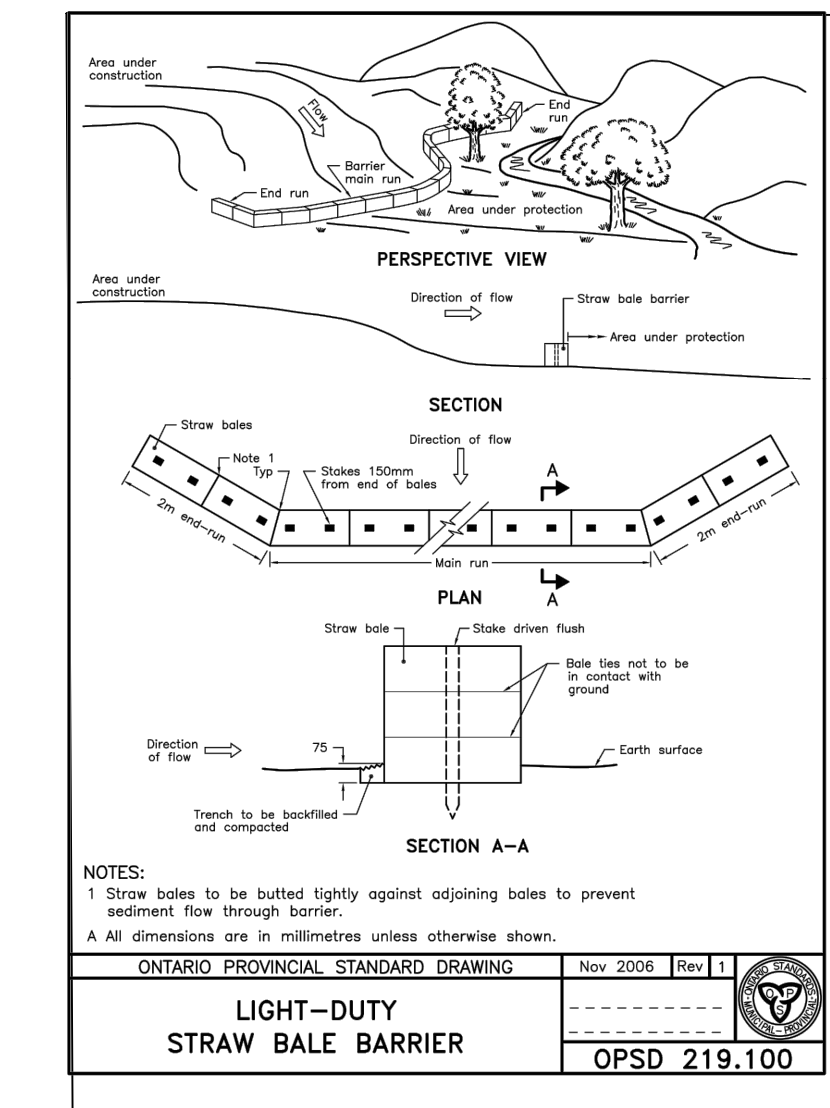
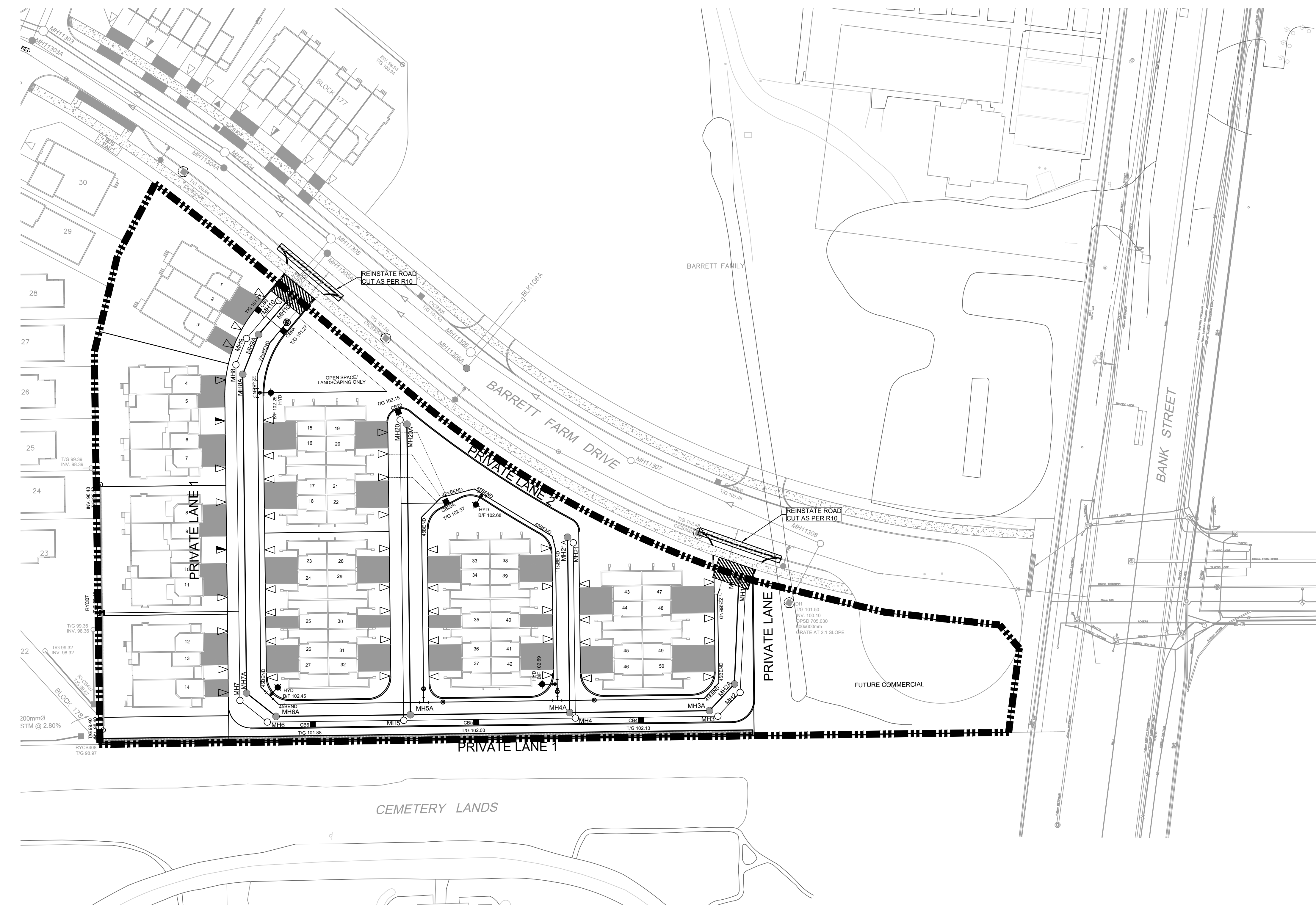
ISSUES

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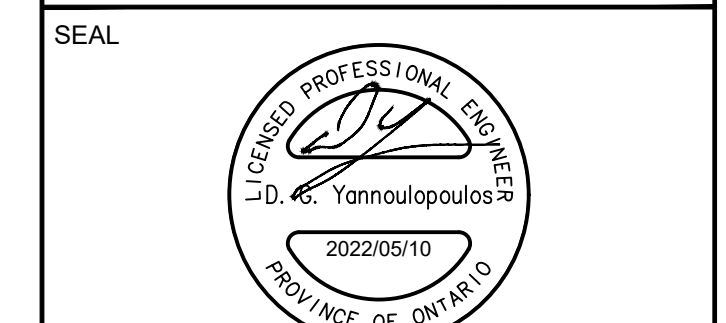
SEE 010, 011, 012 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS.



CONSULTANTS



- NOTES:**
- SILT FENCE TO BE ERECTED PRIOR TO EARTH WORKS BEING COMMENCED. SILT FENCE TO BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED OR UNTIL START OF SUBSEQUENT PHASE.
 - STRAW BALE SEDIMENT TRAPS TO BE CONSTRUCTED IN EXISTING ROAD SIDE DITCHES. TRAPS TO REMAIN AND BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED.
 - SILT SACK TO BE PLACED AND MAINTAINED UNDER COVER OF ALL CATCHBASINS. GEOTEXTILE SILT SACK IN STREET CBS TO REMAIN UNTIL ALL CURBS ARE CONSTRUCTED. GEOTEXTILE FABRIC IN RYCBs TO REMAIN UNTIL VEGETATION IS ESTABLISHED. ALL CATCHBASINS TO BE REGULARLY INSPECTED AND CLEANED, AS NECESSARY, UNTIL SOD AND CURBS ARE CONSTRUCTED.
 - CONTRACTOR TO PROVIDE DETAILS ON LOCATION(S) AND DESIGN OF DEWATERING TRAP(S) PRIOR TO COMMENCING WORK. CONTRACTOR ALSO RESPONSIBLE FOR MAINTAINING TRAP(S) AND ADJUSTING SIZE(S) IF DEEMED REQUIRED BY THE ENGINEER DURING CONSTRUCTION.
 - CONTRACTOR TO PROTECT EXISTING CATCHBASINS WITH FILTER CLOTH UNDER THE COVERS TO TRAP SEDIMENTATION. REFER TO IDENTIFIED STRUCTURES.
 - IF DEEMED NECESSARY BY CITY INSPECTOR, LOCATION OF MUD MATS TO BE DETERMINED IN THE FIELD.
 - CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION, INSPECTION, MAINTENANCE AND REMOVAL OF ALL CONTROL MEASURES.
 - THIS PLAN IS A "LIVING DOCUMENT" WHICH MAY BE REVISED IN THE EVENT THE CONTROL MEASURES ARE INSUFFICIENT.



IBI GROUP
Suite 400 - 333 Preston Street
Ottawa ON K1S 5N4 Canada
Tel: 613 225 1311 / 613 241 3300 Fax: 613 225 9868
ibigroup.com

PROJECT
BARRETT BLOCK 178

PROJECT NO:
135925

DRAWN BY: M.M. **CHECKED BY:** A.C.

PROJECT MGR: R.M. **APPROVED BY:** J.I.M.

SHEET TITLE
SEDIMENT AND EROSION
CONTROL PLAN

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